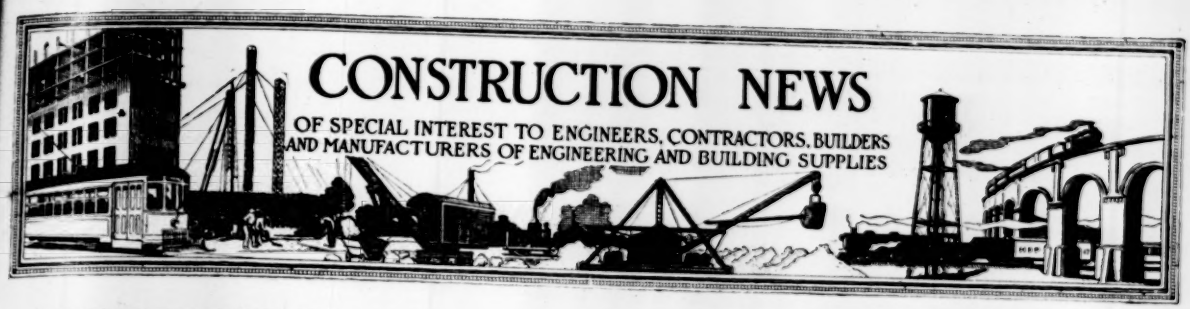
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

For Proposals Advertised See Pages 88-93 inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Mar. 18	Wyandotte, Mich.	Feb. 20
Mar. 19	Hartford, Conn. Adv. Feb. 27 and Mar. 6.	Mar. 6
Mar. 20	Milwaukee, Wis. Adv. Mar. 6 and Mar. 13.	Mar. 6
Mar. 21	Spencer, Ia.	Mar. 13
Mar. 24	Minot, N. D.	Mar. 6
Mar. 25	Jersey City, N. J. Adv. Feb. 27 and Mar. 13.	Feb. 20
Apr. 15	Duluth, Minn.	Mar. 13

SEWERS

Mar. 14	Trenton, N. J.	Feb. 27
Mar. 17	Harbor Beach, Mich.	Mar. 13
Mar. 18	New York, N. Y.	Mar. 13
Mar. 19	Greenfield, Ind.	Mar. 6
Mar. 19	New York, N. Y.	Mar. 13
Mar. 21	Granite City, Ill. Adv. Mar. 6.	Mar. 6
Mar. 24	Detroit, Mich.	Mar. 13
Apr. 1	Harrison, N. J.	Mar. 6
Apr. 1	Newark, N. J	Mar. 6
Apr. 2	Hamilton, Ont.	Mar. 13

BRIDGES

Mar. 17	Stuart, Va.	Mar. 6
Mar. 17	Minot, N. D.	Mar. 6
Mar. 18	Knoxville, Tenn. Adv. Mar. 6 and Mar. 13.	Mar. 6
Mar. 19	Visalia, Cal.	Mar. 6
Mar '19	Denver, Colo.	Mar. 13
Mar. 20	Springfield, Mass. Adv. Feb. 27.	Feb. 27
Mar. 20	Chicago, Ill.	Mar. 13
Mar. 21	Chicago, Ill.	Mar. 13
Mar. 23	Buckhannon, W. Va.	Feb. 13
Mar. 24	Middlebourne, W. Va.	Mar. 6
Mar. 25	Jersey City, N. J.	Mar. 13
Mar. 27	Janeville, Wis. Adv. Mar. 6 and Mar. 13.	Mar. 6
Apr. 1	Peterborough, Ont.	Mar. 13
Apr. 11	Holyoke, Mass. Adv. Mar. 13.	Mar. 13
Apr. 16	Ottawa, Ont.	Feb. 20

STREETS AND ROADS

Mar. 14	Phila., Pa.	Mar. 13
Mar. 15	Atlanta, Ga.	Feb. 27
Mar. 15	Yazoo, Miss.	Mar. 6
Mar. 17	Washington	Mar. 6
Mar. 17	Riverside, Cal.	Feb. 27
Mar. 17	Tuscumbia, Ala.	Mar. 6
Mar. 17	Tunica, Miss.	Mar. 6
Mar. 17	Steubenville, O.	Mar. 6
Mar. 17	Kenilworth, Ill.	Mar. 13
Mar. 18	Ripley, W. Va.	Mar. 13
Mar. 18	Rutherford, N. J.	Mar. 13
Mar. 18	Dravosburg, Pa.	Mar. 6
Mar. 18	Kansas City, Mo. Adv. Feb. 27 and Mar. 6.	Feb. 27
Mar. 18	Santa Ana, Cal.	Feb. 27
Mar. 18	St. Louis, Mo.	Feb. 27
Mar. 18	St. Louis, Mo.	Feb. 20
Mar. 18	St. Cloud, Minn.	Mar. 6
Mar. 18	Manon, S. C.	Mar. 13
Mar. 18	St. Cloud, Minn.	Mar. 13
Mar. 18	New York, N. Y.	Mar. 13
Mar. 18	Newark, N. J.	Mar. 18
Mar. 19	Brooklyn, N. Y.	Mar. 13
Mar. 19	Baltimore, Md.	Mar. 13
Mar. 19	Oklahoma, Okla.	Mar. 13
Mar. 19	Newman, Ga.	Mar. 13
Mar. 19	Denver, Colo.	Mar. 13
Mar. 20	Logan, Ia. Adv. Mar. 6 and Mar. 13.	Mar. 6
Mar. 20	Philippi, W. Va. Adv. Feb. 27 to Mar. 13.	Mar. 6
Mar. 20	Edgerton, Wis.	Mar. 6
Mar. 20	Rockford, Ill.	Mar. 13
Mar. 20	Williston, N. D.	Mar. 6
Mar. 20	Pennsylvania Adv. Feb. 27 to Mar. 13.	Mar. 6
Mar. 21	Seattle, Wash.	Mar. 13
Mar. 21	Rhode Island Adv. Mar. 13.	Mar. 13
Mar. 21	Washington	Mar. 13
Mar. 22	Oregon	Feb. 27
Mar. 22	Orillia, Ont.	Mar. 13
Mar. 24	Rugby, N. D.	Mar. 6
Mar. 24	Beaumont, Tex.	Mar. 6
Mar. 25	Bottineau, N. D.	Mar. 6
Mar. 25	Mt. Olive, N. C. Adv. Mar. 6 and 13.	Mar. 13
Mar. 25	Pillsburg, Pa.	Mar. 13
Mar. 26	Fairmont, W. Va. Adv. Mar. 6 and Mar. 13.	Mar. 6
Mar. 26	Delaware, N. J.	Mar. 6
Mar. 27	Michigan	Mar. 13
Mar. 27	Devils Lake, N. D.	Mar. 6
Mar. 27	Center City, Minn.	Mar. 6
Mar. 27	New York, N. Y.	Mar. 13
Mar. 28	Anoka, Minn.	Mar. 13
Mar. 28	Dayton, O.	Mar. 6
Mar. 28	Pennsylvania Adv. Mar. 6 and Mar. 13.	Mar. 6
Mar. 31	Lockport, N. Y.	Feb. 6
Mar. 31	Ottawa, Ont.	Feb. 27
Apr. 2	Gold Beach, Ore.	Mar. 13
Apr. 2	Michigan	Mar. 13
Apr. 2	Santa Ana, Cal.	Mar. 13
Apr. 3	Flemington, N. J. Adv. Mar. 13.	Mar. 13
Apr. 7	Moulton, Ala.	Feb. 20
Apr. 7	Salem, N. J. Adv. Mar. 13.	Mar. 13
Apr. 9	Hackensack, N. J. Adv. Mar. 13.	Mar. 13
Apr. 15	Greenville, Miss. Adv. Mar. 13.	Mar. 13
Apr. 22	Spencer, W. Va.	Mar. 13

EXCAVATION AND DREDGING

Mar. 17	Mason City, Ia.	Mar. 13
Mar. 18	El Centro, Cal.	Mar. 6
Mar. 19	Carthage, Ill. Adv. Mar. 6 and Mar. 13.	Feb. 20
Mar. 19	Quincy, Ill. Adv. Mar. 6 and Mar. 13.	Feb. 20
Mar. 20	Osceola, Ark.	Feb. 27
Apr. 4	Whiteside, Ill. Adv. Mar. 6 and Mar. 13.	Mar. 6
Apr. 8	Hollandale, Miss.	Feb. 13
Apr. 10	Newport, Ark.	Mar. 13

INDUSTRIAL WORKS

Mar. 14	Brooklyn, N. Y.	Mar. 13
Mar. 14	New York, N. Y.	Mar. 6
Mar. 19	Brooklyn, N. Y.	Feb. 20
Mar. 20	La Crosse, Wis.	Feb. 20
Mar. 20	Macon, Mo. Adv. Mar. 6.	Mar. 6
Mar. 20	Brooklyn, N. Y.	Mar. 13
Mar. 20	Watertown, N. Y.	Mar. 13
Mar. 21	Philadelphia, Pa.	Mar. 6
Mar. 21	Sydenham, Ont.	Mar. 13
Mar. 24	Newark, N. J.	Mar. 13
Mar. 25	Charleston, S. C.	Mar. 6
Mar. 28	New York, N. Y.	Mar. 13
Mar. 31	Orillia, Ont.	Mar. 6
Apr. 1	Quebec, Que.	Mar. 13
Apr. 1	Sioux City, Ia.	Jan. 16

BUILDINGS

Mar. 14	New York, N. Y.	Mar. 13
Mar. 15	Albany, N. Y. Adv. Mar. 6.	Mar. 6
Mar. 15	Detroit, Mich.	Mar. 13
Mar. 17	Brooklyn, N. Y.	Mar. 13
Mar. 17	Johnstown, Pa.	Feb. 20
Mar. 17	Brooklyn, N. Y.	Mar. 6
Mar. 18	Esquimalt, B. C.	Feb. 20
Mar. 18	New York, N. Y.	Mar. 13
Mar. 18	Huntington Park (Huntington P. O.) N. Y.	Mar. 13
Mar. 19	Chicago, Ill.	Mar. 13
Mar. 19	New York, N. Y.	Mar. 13
Mar. 19	Kingston, Ont.	Mar. 6
Mar. 20	Ottawa, Ont.	Mar. 6
Mar. 23	Dayton, O.	Mar. 13
Mar. 25	Bath, N. Y.	Feb. 27
Mar. 28	West Unity, O.	Feb. 27
Mar. 31	Ottawa, Ont.	Mar. 6
Mar. 31	Edgard, La.	Mar. 13
Apr. 2	Lansing, Mich.	Mar. 6
Apr. 2	New York, N. Y.	Jan. 23
Apr. 4	Seattle, Wash.	Mar. 13
Apr. 10	Newaygo, Mich.	Feb. 6
Apr. 15	Newark, N. J.	Feb. 6

FEDERAL GOVERNMENT WORK

Mar. 14	Hoistway, etc. — Easton, Pa. Adv. Feb. 27.	Feb. 27
Mar. 17	Wooden Pier and Approach — Spec. 3820 — Yorktown, Va.	Feb. 27
Mar. 17	Building—Spec. 3760—Annapolis, Md.	Feb. 27
Mar. 17	Fuse and Primer House—Spec. 3737—Bellevue, D. C.	Mar. 6
Mar. 17	Cranes—Spec. 3770—Philadelphia, Pa.	Mar. 6
Mar. 17	Incinerator—Spec. 3790—Indianhead, Md.	Mar. 6
Mar. 17	Argon Production Plant—Spec. 3800—North Fort Worth, Tex.	Mar. 13
Mar. 19	Post Office, etc., Woodward, Okla.	Feb. 20
Mar. 21	Post Office, Akron, O.	Mar. 6
Mar. 22	Roads—Great Falls, Mont.	Mar. 13
Mar. 24	Dredging — Wilmington, Del. Adv. Feb. 27 to Mar. 7.	Feb. 27
Mar. 24	Valve Operating Machinery —Wheeling, W. Va. Adv. Feb. 27 to Mar. 13.	Mar. 6
Mar. 24	Boatshead—Spec. 3472—Pensacola, Fla.	Mar. 6
Mar. 24	Fuel Oil Storage Plant—Spec. 3631—Mare Island (Valleyjo P. O.), Cal.	Mar. 13
Mar. 24	Cranes—Spec. 3822—Boston, Mass.	Mar. 13
Mar. 24	Forced and Induced Draft Fans—Spec. 3793—Norfolk, Va.	Mar. 13
Mar. 24	Incinerator—Spec. 3790—Indian Head, Md.	Mar. 13
Mar. 24	Extension to Fresh Water System—Spec. 3805—Pensacola, Fla.	Mar. 13
Mar. 24	Forced and Induced Draft Fans—Spec. 3793—Philadelphia, Pa.	Mar. 13
Mar. 25	Remodeling Post Office, etc. —Providence, R. I.	Feb. 27
Mar. 26	Drainage—St. Louis, Mo. Adv. Feb. 27 to Mar. 13.	Mar. 6
Mar. 26	Post Office — Youngstown, O.	Mar. 13
Mar. 26	Grading—Wash., D. C. Adv. Mar. 13.	Mar. 13
Mar. 27	West Point, N. Y. Adv. Mar. 6 and Mar. 13.	Mar. 6
Mar. 27	Post Office and Custom House, Albany, N. Y.	Mar. 13

Bids Close		See Eng. News-Record
Mar. 29	Lock and Abutment-Greenup, Ky. Adv. Feb. 27 to Mar. 13.	Mar. 6
Mar. 31	Coal—Memphis, Tenn. Adv. Mar. 6 and Mar. 13.	Feb. 27
Mar. 31	Dredging—Wilmington, Del. Adv. Mar. 6 and Mar. 13.	Mar. 6
Mar. 31	Power Plant Improvements—Spec. 3389 — Pensacola, Fla. Adv. Mar. 13.	Mar. 13
Apr. 1	Cement—Conneaut Harbor, O.	Mar. 13
Apr. 2	Post Office—Honey Grove, Tex.	Mar. 6
Apr. 2	Sewer and Water Supply —Stapleton, N. Y.	Mar. 13
Apr. 4	Post Office—Eldorado, Kan.	Mar. 6
Apr. 4	Bear Trap Leaves—Cincinnati, O. Adv. Mar. 6 and Mar. 13.	Mar. 6
Apr. 15	Pumps, etc.—Omaha, Neb. Adv. Feb. 27 and Mar. 6	Mar. 6
Apr. 18	Post Office—Mt. Pleasant, Mich.	Mar. 13
Apr. 21	Post Office — Rinelander, Wis.	Mar. 13
Apr. 23	Post Office—Glimer, Tex.	Mar. 13

MISCELLANEOUS

Mar. 14	Electric Fixtures—Hudson, N. Y.	Feb. 27
Mar. 18	Miscellaneous Supplies—Albany, N. Y.	Mar. 6
Mar. 18	Miscellaneous Supplies — New Haven, Conn.	Mar. 13
Mar. 18	Miscellaneous Supplies — New York, N. Y.	Mar. 13
Mar. 19	Paving Blocks—New York, N. Y.	Mar. 13
Mar. 19	Trailers, etc.—New York, N. Y.	Mar. 13
Mar. 19	Miscellaneous Supplies — New York, N. Y.	Mar. 13
Mar. 19	Pipe—Ottawa, Ont.	Mar. 13
Mar. 20	Plant Operation — Springfield, Mass. Adv. Mar. 6 and 13.	Mar. 13
Mar. 20	Subway, Foundation, etc.—St. Boniface, Man.	Mar. 6
Mar. 25	Foundation — Philadelphia, Pa.	Mar. 13
Mar. 25	Air Compressor — Marion, Ind.	Mar. 13
Mar. 27	Pier—Philadelphia, Pa.	Mar. 13
Mar. 31	Boardwalk—Seaside, N. J.	Mar. 13

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Gilboa—New York City having plans prepared by Bd. Water Supply, Municipal Bldg., New York City, for dam here to form Schoharie Reservoir of Catskill Water Supply. Plans include cyclopean masonry overfall structure with earth wing, spillway channel, etc., across Schoharie Creek.

Fla., Miami Beach—City voted $40,000 bonds to establish water-supply system.

Mich., Flint—City voted $78,400 bonds to extend water mains in various streets. E. C. Shoecraft, city engr.

Mich., Ypsilanti—City Council recommended that city sink new well, rebuild wheel pit, install 12 hydrants and new pumping machinery with electric auxiliary. About $32,000. W. R. Caldwell, city engr.

Nebraska—See "Railways."

Wyo., Casper—City election Mar. 29 to vote on $260,000 bonds to extend and build water mains to new portions of city and suburbs. A. W. Wheeler, city engr.

Mont., Harlowton—City plans to extend water mains in various streets. About $30,000.

Mo., Carrollton—City having plans prepared by E. E. Harper, engr., Kansas City, for gravity type filtration plant, 750,000 gal. capacity.

Ark., Prescott—City plans to improve waterworks system, to include storage and distributing reservoir, canal, headgate and supply pipe line. About $300,000. H. Phillips, International Life Bldg., St. Louis, Mo., consult. engr.

Tex., Henderson—City plans election to vote on $12,500 bonds to extend and improve waterworks system.

Tex., Mineral Wells—City plans to build 4½ mi. with vitr. or concrete gravity pipe line from reservoir to city. About $150,000. J. R. McLendon, city engr.

Tex., San Angelo — See "Industrial Works."

Okla., Cardin—City election Mar. 17, to vote on $50,000 bonds for waterworks system.

Okla., Marietta—City sold $15,000 bonds to improve waterworks and light plant. Noted Feb. 6.

Colo., Sedgwick—City plans election to vote on $30,000 bonds for waterworks and electric light systems. Henningson Eng. Co., 1122 Farnam St., Omaha, Neb., engrs.

Ont., Kingston—City plans to extend waterworks system. About $500,000. W. W. Sands, clk.

Ont., Ottawa—Bd. Control instructed A. F. McCallum, comr. works, to report on cost of furnishing 2,000,000 gal. of water daily to Eastview. About $50,000.

Ont., Ottawa—Bd. Control receives bids in spring extending waterworks system. About $40,000. A. F. McCallum, City Hall, engr. Noted Feb. 20.

D. C., Squamish—See "Miscellaneous."

BIDS DESIRED

Mich., Harbor Beach—Until Mar. 17, by city, trenching, laying pipe and installing pump in Water St. as far as Court St. with branch sewers on Trescott and Court Sts. B. W. Jenks, mayor.

Ia., Spencer—Until Mar. 21, by R. M. Cornwall, city clk., furnishing and laying 6400 ft. 4 in. class D c.i. water pipe, necessary valves, hydrants and other specials. W. L. Fahey, city engr.; advertised in this issue.

Minn., Duluth—Until Apr. 15, by P. G. Phillips, comr. pub. utilities, building extension to water and gas mains from here to Smithville and Morgan Park. About $28,000. L. Ayres, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★O., Cleveland—city let contract laying water and steam pipes, to Baker-Dunbar-Allen Co., 1900 Euclid Bldg., $6448.

Sewers

PROPOSED WORK

Mass., Natick—See "Buildings."

W. Va., Martinsburg—City plans to build sewerage system and sewage disposal plant. E. D. Bromley, city engr.

W. Va., Parkersburg—See "Streets and Roads."

Ind., Terre Haute—City soon lets contract laying sewer pipe in Poplar St., involving 1600 ft. 20-24 in. vitr. pipe and 1000 ft. 30 in. segmental block pipe. About $12,000.

Mich., Flint—City voted $199,100 bonds to build sanitary, storm water and intercepting sewers in various streets. E. S. Shoecraft, city engr.

Nebraska—See "Railways."

Wyo., Casper—City election Mar. 29, to vote on $60,000 bonds to extend and lay main trunk sewers to suburbs. A. W. Wheeler, city engr.

Tex., Dallas—City having plans prepared for storm sewer in Jefferson Ave., concrete and vitr. pipe, cost, $13,000; storm sewer 15 ft. diameter, from Mill Creek, Haskell Ave. to Exall Park, $128,000. G. D. Fairtrace, city engr.

Tex., Eastland—City having plans prepared by P. Oneal, engr., 610 Praetorian Bldg., Dallas, building sanitary sewerage system. Noted Aug. 22.

Okla., Oklahoma—City plans to issue $100,000 bonds to make surveys and tests for extensive sewerage improvements now under consideration. B. M. Hart, city engr.

BIDS DESIRED

N. Y., New York—Until Mar. [illegible] by H. Bruckner, pres. Bronx Boro [illegible] sewers in Birchall Ave. between [illegible] St. and White Plains Rd., Van [illegible] Park S., between Exterior Pl [illegible] Ave., Bailey Ave. between Van [illegible] Park, S., and Sedgwick Ave., [illegible] St. from 3rd to Monterey Aves.

N. Y., New York—Until Mar. [illegible] by F. L. Dowling, pres. Manhattan Boro [illegible] tion of sewer in 42nd St. from [illegible] to 3rd Ave.

Mich., Detroit—Until Mar. 24, [illegible] Comr. Pub. Wks., building and finishing following vitro. crock lateral sewers: No. 3098, bounded by Lonyo, Central, Dalton and Radcliffe Sts.; No. 3099, bounded by Seneca, Fisher, Harper and Peter Hunt Aves.; No. 3100, bounded by Inverness, Log Cabin, Pilgrim and Putnam Aves.; No. 3103, bounded by Robert, Gratiot, Harper and Peter Hunt Aves.; No. 3105, bounded by Genessee, Linwood, Longfellow Aves. and Chicago Blvd.; No. 3106, bounded by La Salle Blvd., Wawash, Elmhurst and Richton Aves.; No. 3110, bounded by Broad and Dumont Sts., Martindale Ave. and Joy Rd.; No. 3111, bounded by Centerline, Van Dyke and Kern Aves. and alley south of Kern Ave.; No. 3112, bounded by Conant, Salem Sts. and south line of village of Hamatramck. H. H. Esselstyn, comr. Noted Jan. 2.

Ont., Hamilton—Until Apr. 2, by C. G. Booker, mayor, chn. bd. control, building 1750 ft. brick or concrete sewer on King, Macklin and Dundas Sts. S. H. Kent, city clk.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. Y., Creedmore—State Hospital Comn., Capitol, Albany, let contract building sewage disposal plant at Brooklyn State Hospital here, to Murphy Bros., 262 Bay 43rd St., Brooklyn, $22,483. Plans include installation of Imhoff tanks, six 10 in. syphons, dosing chambers, 6 beds, diverting manhole, 1000 ft. 12 in. vitr. pipe, etc. Noted Feb. 27.

O., Cleveland—City received bids laying sewers in following streets:

(a) Parkgrove Ave. from East 156th to 161st Sts., involving 990 ft. 24 in. rein.-con. and 30 ft. 12 in. vitr. pipe, etc.;

(b) East 160th St. from Holmes Ave. to Saranac Rd., 290 ft 20 in. rein.-con., 290 ft 18 in. vitr., 290 ft. 15 in. segmental block and 350 ft. 12 in. tile block pipe, etc.;

(c) East 158th St. from Waterloo Rd. to Calcutta Ave., 230 ft. 15 in. rein.-con. and 270 ft. 12 in. vitr. pipe, etc.;

(d) East 157th St. from Waterloo Rd. to Calcutta Ave., 240 ft. 15 in. rein.-con. and 270 ft. 12 in. vitr. pipe, etc.;

(e) Huntmere Ave. from East 156th to 161st Sts., 960 ft. 24 in. rein.-con. and 30 ft. 12 in. vitr. pipe, etc.;

(f) Grovewood Ave. from East 156th to 161st Sts., 990 ft. 24 in. rein.-con. and 30 ft. 12 in. vitr. pipe, etc.;

(g) Sylvia Ave. from East 140th to 152nd Sts., 140 ft. No. 2 C. brick, 350 ft. 20 in. rein.-con., 300 ft. 18 in. vitr., 350 ft. 15 in. segmental block and 810 ft. 12 in. tile block pipe, etc.;

(h) Damon Ave. from East 150th to 161st Sts., 320 ft. 18 in. rein.-con. 320 ft. 15 in. vitr. and 340 ft. 12 in. segmental block pipe, etc.;

(i) Corsica Ave. from East 156th to 161st Sts., 300 ft. 18 in. rein.-con., 610 ft. 15 in. vitr. and 340 ft. 12 in. segmental block pipe, etc.;

(j) East 156th St. from Holmes to St. Clair Aves., 300 ft. 18 in. rein.-con., 540 ft. 15 in. vitr. and 330 ft. 12 in. segmental block pipe, etc.;

(k) Hale Ave. and East 147th St. from Sylvia Ave. to East 152nd St., 550 ft. 18 in. rein.-con., 270 ft. 15 in. vitr. and 330 ft. 12 in. segmental block pipe, etc.;

(l) East 140th St. from St. Clair to Castella Aves., 650 ft. 24 in. rein.-con., 270 ft. 20 in. vitr., 50 ft. 15 in. segmental block and 60 ft. 12 in. tile block pipe, etc.;

(m) East 39th St. from Scovill to Cedar Aves., 760 ft. 5 ft. 9 in. rein.-con., 960 ft. 4 ft. 3 in. vitr., 10 ft. 4 ft. segmental block, circular brick pipe, 100 cu.yd. Class B. concrete; etc.; from

D. Pfahl, 723 Guardian Bldg. (a) $4861; (c) $1540; (d) $1560; (e) $4720; (f) $4889; (g) $11,932; (h) $2936; (i) $2770; (k) $3657.

A. Marra, 409 Park Bldg., (a) $5056; (e) $4956; (f) $5053; (l) $4603.

Sewers (Continued)

Water & Sewer Impvt. Co., (a) $5194; (b) $3872; (e) $4945; (h) $2945; (i) $2775; (k) $3784.
A. C. Hattendorf & Co., (b) $3697; (j) $3377.
Altoona & Joseph Co., (b) $3942; (d) $1484.
Fredericks & Hosaine, (c) $1606; (j) $3579.
N. Salem, (c) $1631.
N. Yahya, (d) $1613; (j) $3540.
Iannetta Bros., (f) $5042; (h) $3178; (l) $4726.
P. Ciraci, (g) $13,421.
George Bros. Co., (g) $14,668.
Brookside Constr. Co., (i) $3208.
A. Gandio, (k) $3720.
G. Sam, (l) $4739.
W. McDowell & Son, (m) $58,947.
J. Duff Co., 603 Marshall Bldg., (m) $61,871.
W. P. Gibbons Co., (m) $62,472.
All contractors of Cleveland.

★**Pa., Pittsburgh**—City let contract laying sewers in McCandless Ave. from east line of 53rd St. to existing sewer on McCandless St. at Celadine St., involving 628 ft. 15 in. terra cotta pipe, 3 manholes and 5 catch basins, to Manella Constr. Co., 1507 North Lang Ave.; cost, $2617; in Reiter St. from Larimer Ave. to existing sewer on Hamilton Ave., 392 ft. 12 in. terra cotta pipe, to Pittsburgh Paving Co., Bakewell Bldg., $1294; Pear Way and private properties to Saw Mill Run, 4962 ft. 8-15 in. terra cotta pipe, 17 manholes, to M. Ott & Co., 414 Warrington Ave., $14,433. Noted Mar. 6.

★**Mich., Ford** (Wyandotte P. O.)—Village let contract extending present sewerage system and replacing present outlet, to G. R. Cooke, Penobscot Bldg., Detroit, $101,877. Work involves trenching, laying pipe and backfilling complete sewerage system, involving 2022 ft. 24-33 in. concrete pipe, 49,663 ft. 8-22 in. vitr. pipe and 400 ft. 12 in. concrete outlet pipe to replace present outlet, 154 manholes, 212 catchbasins, 7 lampholes and 290 ft. c.i. pipe. Noted Feb. 20.

★**Mich., Wyandotte**—City let contract trenching, laying and backfilling for sewerage system in West Wyandotte, to G. R. Cooke, Penobscot Bldg., Detroit, ◆112,000. Noted Feb. 6.

Bridges

PROPOSED WORK

N. Y., Carthage—Ways and Means Com. petitioned L. Nixon, supt. pub. works., Capitol, Albany, to repair state bridge spanning Black River. Plans include entire new roadway 400 or 500 ft. long, 16 ft. wide, concrete blocks. About $12,000.

N. J., Newark—Essex Co., (Newark) and Hudson Co. (Jersey City) having surveys made by H. W. Hodge, consult. engr., 149 Bway., New York City, building new bridge over narrow part of Newark Bay to connect new highway between counties.

Ga., Canton—Comrs. Cherokee Co. soon receive bids building one 228 ft. and one 24 ft. concrete bridge, involving 600 cu.yd. concrete, 36½ tons steel, 740 lin.ft. concrete piling and 576 lin.ft. wooden piling. Johnson & Morgan, 500 Forsyth Bldg., Atlanta, engrs.

Ga., Thomasville—Comrs. Thomas Co. soon receive bids building rein.-con. bridge 4½ mi. from here; Federal Aid Project No. 12. Work involves 4.22 acres clearing and grubbing, 15 cu.yd. dry excav., 170 cu.yd. wet excav., 765 cu.yd. earth excav., 31,467 cu.yd. borrow for approach fill, 1160 cu.yd. Class A concrete, 525 cu.yd. Class B concrete, 61 tons reinforced steel placed, 1170 sq.ft. hog wire placed, 2240 lin.ft. wooden piling, 4128 lin. ft. 14 x 14 in. rein.-con. piling, 1825 cu.yd. sand clay surfacing on approach fills, 1593 sq.yd. asphaltic concrete surfacing on bridge, 2 c.i. rockers, 12 steel rocker plates, eighteen 3 x 3 in metal drains and 172 2-in. tubes sheet metal. About $63,000. J. B. McCrary Co., 1408 3rd Natl. Bank. Bldg., Atlanta, engrs.

Nebraska—See "Railways."

Mont., Livingston—Park Co. will sell $50,000 bonds Apr. 9, to build bridges. Noted Oct. 31.

Wash., Seattle—City defeated election on $900,000 bonds to build bridge over West Waterway. West Spokane St. A. D. Butler, city engr. Noted Feb. 6.

Ore., Albany—City plans to build large steel or concrete bridge over Penniwinkle Creek.

Ore., The Dalles—State Highway Comn., Salem plans to build bridge over Deschutes River. Cost between $80,000 and $100,000. M. Bennett, Pendleton, div. engr.

N. S., Halifax—City had plans prepared for steel bridge over Campbells Rd. About $48,000. H. A. McElhinnery, Truro, engr.

Que., Lotbiniere—Lotbiniere Co. had plans prepared for concrete and steel bridge, over Duchene River, 318 ft. long, 18 ft. wide. About $35,000. J. Bedard, secy.

Ont., Comber—City soon lets contract building 2 steel beam bridges in Tilbury West Twp. About $30,000. T. T. Newman, Windsor, engr.

BIDS DESIRED

Mass., Holyoke—Until Apr. 11, by Bd. Pub. Wks., building deck steel girder bridge over 1st level canal on Appleton St.; steel work encased or covered with rein.-con. O. C. Ferry, asst. clk.; advertised in this issue.

N. J., Jersey City—Until Mar. 25, by Hudson Co. Blvd. Comn., building barricade, removing earth and floor system of Hudson Co. Blvd. bridge over Newark and New York branch of Central R. R. of New Jersey. About $10,000. Noted Mar. 6.

Ga., Mt. Vernon—Until May 6, by Comrs. Montgomery Co. (Mt. Vernon) and Wheeler Co. (Alamo) building rein.-con. bridge over Oconee River, 2 mi. from here. Contr. No. 1 involves 6 acres clearing and grubbing, 28,103 cu.yd. earth embankment; Contr. No. 2, three 100 ft. steel spans with concrete floors, one 80 ft. steel draw span complete, piers containing 560 cu.yd. wet excav., 900 lin.ft. wooden piling, 586 cu.yd. Class A concrete under water, 605 cu.yd. Class B concrete in piers, 10½ tons rein. steel, 29,000 ft. lumber in place; Contr. No. 3, 1125 cu.yd. dry excav., 48 cu.yd. wet excav., 946 cu.yd. Class B concrete, 2070 cu.yd. Class A concrete, 279 tons rein. steel, 3100 lin.ft. wooden piling, 4210 sq.yd. sand tar surface and 1 bronze name plate. About $156,840. Garrett & Slack, Bell Bldg., Montgomery, Ala., engrs.

Ill., Chicago—Until Mar. 21, by C. R. Francis, comr. pub. wks., building 3 span cantilever fixed bridge, center span 70 ft. long, concrete caisson foundations, 38 ft. wide over North River on Addison St., cost $165,000. Separate bids will be taken on substructure and superstructure. T. G. Pihlfeldt, 401 City Hall, engr.

Ill., Chicago—Until Mar. 20, by C. R. Francis, comr. pub. wks., building 70 ft. creosoted pile and timber trestle bridge on Lawndale Ave., 38 ft. wide, cost $50,000; 80 ft. fixed steel bridge on concrete abutments over north branch Chicago River on Kimball Ave., 38 ft. wide, $70,000. T. G. Pihlfeldt, 401 City Hall, engr.

Colo., Denver—Until Mar. 17, by city for taking down and removal of either, or both, steel highway bridges over Cherry Creek on Logan and West Colfax Sts. Removal of these bridges is preliminary to constructing 2 new bridges at above locations, cost $30,000 each. Noted Mar. 6.

Ont., Peterboro—Until Apr. 1, by city building 11-arch rein.-con. bridge over Otonbee River on Hunter St. R. H. Parsons, city engr. F. Barber, 40 Jarvis St., Toronto, consult. engr. Noted Mar. 6.

PRICES AND CONTRACTS AWARDED

(◆Indicates award of contract)

Conn., North Canaan (Canaan P. O.)—C. J. Bennett, comr. state highway dept., Hartford, received bids Feb. 28, building 3 span rein.-con. "T" beam bridge over Blackberry River on Canaan Lakeville Rd., from Ossola & Besozzi Co., Torrington, $11,977; Osborn-Barnes Co., Odd Fellows Bldg., Danbury, $12,749; L. Longhi & Bro., Alhambra Bldg., Torrington, $13,153. Noted Feb. 20 under New Canaan.

★**Kan., Topeka**—City and Shawnee Co. let contract building 48 ft. rein.con. arch bridge over Butcher Creek on 21st St., to C. C. Clarke & Co., 202 Evelyn St., $10,636.

★**N. D., Grand Forks**—Comrs. Grand Forks Co. let contract building several bridges, wooden, steel, and concrete, to J. A. Jardine, 1325 Front St., Fargo. Noted Feb. 20.

★**Okla., Guymon**—Texas Co. let contract building one 240 ft. and one 120 ft. bridge also 1 small bridge, to Missouri Valley Bridge & Iron Works, 4th and Walnut Sts., Leavenworth, Kan., $13,349.

★**Wash., Ceres**—Lewis Co. let contract building 160 ft. combination Howe truss bridge, to N. C. Sears, Winlock. About $10,087.

★**B. C., Fernie**—Dept. Pub. Wks., Victoria, let contract building 250 ft. wooden highway bridge, 16 ft. wide, over Elk River to A. McLean, Fernie. About $13,000. Plans include 3 pile foundation, 3 timber piers and involves 2000 lin.ft. wooden piling, 83,000 ft. B. L. fir and 7 tons iron castings. Noted Feb. 20.

Reinforced Concrete

PROPOSED WORK

N. Y., Brooklyn—See "Industrial Works."
N. Y., Long Island City—See "Industrial Works."
Pa., Pittsburgh—See "Industrial Works."
Md., Crisfield—See "Industrial Works."
S. C., North Charleston—See "Industrial Works."
Mo., Kansas City—See "Buildings."
Que., Lotiniere—See "Bridges."

BIDS DESIRED

Pa., Phila.—See "Miscellaneous."
Ont., Peterborough—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**Mich., Battle Creek**—See "Industrial Works."
★**Kan., Topeka**—See "Bridges."
★**Tex., Ballinger**—See Streets and Roads."
★**Wash., Seattle**—See "Industrial Works."

Streets and Roads

PROPOSED WORK

Me., Auburn—City having plans prepared for improving various streets, bituminous macadam, granite block or brick. About $100,000. E. A. Beck, city mgr.

New Hampshire—State Highway Com., Concord, plans to grade and drain 6 mi. Greeley Rd., 21 ft. wide, Amherst and Bedford Twps., cost $44,000; 1.36 mi. Sunapee Lake Rd., gravel, 21 ft. wide, Alexandria and Hill Twps., involving 3600 cu. yd. earth excav. and 3400 sq.yd. gravel surfacing, $16,000; pave 8.1 mi. Lafayette Rd., 2 in. modified Topeka asphalt, 18 ft. wide, $112,000; 5090 ft. Merrimack Valley Rd., 2 in. modified Topeka asphalt on old macadam, 18 ft. wide, Bedford Twp., involving 10,190 sq. yd. bituminous concrete, $12,000; resurface 1¼ mi. South Side Trunk Line, water bound macadam with bituminous penetration macadam (trap rock), 15 ft. wide, Milford Twp., $14,000; 1½ mi. Merrimack Valley Rd., water bound macadam with bituminous penetration macadam, (native stone), 15 ft. wide, Tilton Twp., $14,000; 3 mi. Merrimack Valley Rd., gravel with bituminous penetration macadam, 18 ft. wide, Laconia Twp., $30,000; resurface 3.75 mi. West Side Trunk Line, crushed gravel, tar surface treatment, 20 ft. wide, Littleton Twp., $14,000; improve 2 mi. South Side Trunk Line, 15 ft. surface, 3 ft. shoulders, with 4 in. crushed gravel, 0.6 gal. cold tar surface treatment, Candia Twp., $10,000; 0.6 mi. East Side Trunk Line, 21 ft., gravel foundation course and 17 ft. bituminous penetration macadam surface course, Colebrook Twp., $12,000; also building 1 mi. West Side Trunk Line, water bound macadam, 17 ft. wide, and 40 ft. concrete bridge in Lyme Twp., $15,000. C. P. Riford, div. engr.

Mass., Natick—See "Buildings."

N. Y., Baldwinsville—Town plans to improve ¾ mi. Main St. from end of present pavement to town line, brick pavement, concrete curbing and guttering, etc.; Empire State Rys. Co. plans to coöperate with town officials in paving Genessee St. from Canal bridge to Main St.

N. Y., New York—L. Nixon, supt. pub. wks., Capitol, Albany, soon receives bids paving portions of terminal sites at Mott Haven, Greenpoint and Gowanus Bay, $94,340.

N. Y., Norfolk—Town plans to build 9 mi. water-bound macadam roads, 10 ft. wide. Plans involve 200 yd. concrete in culverts. W. Ward, town comr.

N. Y., Watertown—Bd. Pub. Wks. plans to improve north approach to Van Duzee St. bridge. E. W. Sayles, city engr.

N. J., Jersey City—City plans to improve West Side and Pacific Aves., granite block. C. A. Van Keuren, city engr.

N. J., Newark—Bd. Comrs. soon receives bids repaving Clinton Ave. from West Newark branch of Pennsylvania R. R. to Chadwick Ave., napped reclipped granite block on 8 in. concrete foundation; also Sussex Ave. from High to Summit St., asphalt pavement, 2 in. top, 1½ in. binder on old macadam pavement properly scarified as base. M. R. Sherrard, city engr. Noted Feb. 20.

Streets and Roads (Continued)

N. J., Newark—City soon receives bids paving Foundry St. and Roanoke Ave., also Wilson Ave. from Ferry St. to Newark Bay, Doremus Ave. from Lincoln Highway to Port of Newark, and Delancey St. from Lehigh Valley tracks to Doremus Ave. M. R. Sherrard, city engr.

N. J., North Bergen—City plans to repair and pave South St. from Boulevard to Fairview Ave., grade Bway. from 28th St. to Park Ave., and 30th St. from Bergenline to Park Aves. About $25,000.

Pa., Ambridge—City plans to repave and repair various streets. About $50,000.

Pa., Erie—Comrs. Erie Co. plan to build 31 mi. roads as follows: 4 mi. Corry Hare Rd., 3 mi. Westlake Rd., 3 mi. Wattsburg Rd., 4 mi. road from Union City to Meadville; 6 mi. North-East Findley Lake Rd., 6 mi. North-East Station Rd., 4 mi. Route No. 295, Girard Twp., and 1 mi. road from Union City to cemetery.

W. Va., Martinsburg—City plans to pave various streets with brick. About $210,000 appropriated for project. E. D. Bromley, city engr.

W. Va., Parkersburg—City election April 8, to vote on $300,000 bonds to pave, build sidewalks, curbs and sewers in various streets.

Ga., Dalton—Comrs. Whitefield Co. plan to grade and top soil 11 mi. road, to include drainage structures and overhead crossings. About $70,000. Johnson & Morgan, 500 Forsyth Bldg., Atlanta, engrs.

Ga., Newnan—City having plans prepared by K. T. Thomas, engr., 502 Forsyth Bldg., Atlanta, paving 15,000 sq.yd. streets with brick, vibrolithic, asphalt, concrete and other high grade material.

Ga., Summerville—Comrs. Chattooga Co. plan to grade, chert and top soil 13 mi. road. Johnston & Morgan, 500 Forsyth Bldg., Atlanta, engrs.

Fla., Bartow—Comrs. Polk Co. plan to sell $300,000 bonds for building 34 mi. asphalt road, 15 ft. wide, also repaving 4 mi. roads in Lakeland.

Fla., Miami Beach—City soon receives bids paving beach roads with penetration system of asphaltic pavement. About $50,000. Noted Jan. 23.

Louisiana—State Highway Dept., New Orleans, having plans prepared building 50 mi. waterbound macadam and gravel roads 16 ft. wide, also bridges over swamp land. D. Buil, state highway engr.

O., Columbus—City plans to grade, drain, curb and pave with asphalt, Edward St. from Cleveland Ave. to 6th St. H. Maetzel city engr.

O., Lakewood—City plans to resurface Grace Ave. from Detroit to West Madison Aves., asphalt. E. A. Fisher, city engr.

Mich., Detroit—Dept. Pub. Wks. soon lets contract paving (a) Sheridan Ave. from Frederick to Harker Sts., 26 ft. wide, involving 6749 cu.yd. excav., 7680 lin.ft. Berea or Medina curbing, 11,651 sq.yd. asphaltic concrete on 6 in. concrete base, 216 cu.yd. concrete under and behind curb, 408 lin.ft. retaining stone;

(b) Crane Ave. from Forest Ave. to Moffat St., 26 ft. wide, 3410 cu.yd. excav., 3588 lin.ft. Berea or Medina curbing, 5370 sq.yd. asphaltic concrete on 6 in. concrete base, 99 cu.yd. concrete under and behind curb, 130 lin.ft. retaining stone;

(c) Charlevoix Ave. from Beniteau Ave. to Detroit Terminal R.R., 26 ft. wide, 3620 cu.yd. excav., 3773 lin.ft. Berea or Medina curbing, 5923 sq.yd. asphaltic concrete on 6 in. concrete base, 113 cu.yd. concrete under and behind curb, 495 lin.ft. retaining stone;

(d) Beals Ave. from Charlevoix to Mack Aves., 22 ft. wide, 2492 cu.yd. excav., 3323 lin.ft. Berea or Medina curbing, 4257 sq.yd. asphaltic concrete on 6 in. concrete base, 91 cu.yd. concrete under and behind curb, 119 lin.ft. retaining stone;

(e) Davison Ave. from Herman to 12th Sts., 24 ft. wide, 2018 cu.yd. excav., 2336 lin.ft. Berea or Medina curbing, 3414 sq.yd. asphaltic concrete on 6 in. concrete base, 70 cu.yd. concrete under and behind curb, 232 lin.ft. retaining stone;

(f) Newport Ave. from Waterloo to Charlevoix Aves., 26 ft. wide, 2018 cu.yd. excav., 1896 lin.ft. Berea or Medina curbing, 2814 sq.yd. asphaltic concrete on 6 in. concrete base, 53 cu.yd. concrete under and behind curb, 78 lin.ft. retaining stone;

(g) Canfield Ave. from Van Dyke to Maxwell Aves., 26 ft. wide, 1070 cu.yd. excav., 1090 lin.ft. Berea or Medina curbing, 1673 sq.yd. asphaltic concrete on 6 in. concrete base, 31 cu.yd. concrete under and behind curb, 88 lin.ft. retaining stone;

(h) Linden St. from alley first west of Harrison St. to Vermont Ave., 26 ft. wide, 777 cu.yd. excav., 976 lin.ft. Berea or Medina curbing, 1555 sq.yd. asphaltic concrete on 6 in. concrete base, 30 cu.yd. concrete under and behind curb, 180 lin.ft. retaining stone;

(i) Barker St. from McClellan to Cooper Sts., 26 ft. wide, 782 cu.yd. excav., 796 lin.ft. Berea or Medina curbing, 1284 sq.yd. asphaltic concrete on 6 in. concrete base, 25 cu.yd. concrete under and behind curb, 154 lin.ft. retaining stone;

(j) Roby St. from present pavement to Medbury Ave., 26 ft. wide, 539 cu.yd. excav., 504 lin.ft. Berea or Medina curbing, 765 sq.yd. asphaltic concrete on 6 in. concrete base, 14 cu.yd. concrete under and behind curb, 36 lin.ft. retaining stone. C. W. Hubbell, city engr. Noted Feb. 20.

Mich., Detroit—Dept. Pub. Wks. soon receives bids grading and curbing with Amherst or Medina and paving with sheet asphalt on 6 in. concrete base, 12th St. Sect. 1 from alley north of Virginia Park to Webb Ave., 42 ft. wide, less 18 ft. track space. About $110,920. C. W. Hubbell, city engr.

Mich., Flint—City voted $57,000 bonds to pave various streets. E. C. Shoecraft, city engr.

Mich., River Rouge—Village had estimates made by M. L. Brown & Son, engrs., 820 Chamber Commerce Bldg., Detroit, grading and paving Great Lakes Ave. from Jefferson Ave. to north limits, 1500 ft. long, 28 or 40 ft. wide; also South Dearborn Rd. from Michigan Central R.R. to north limits, 1500 ft. long, 40 ft. wide, brick or rein.-con. on concrete base. L. Laginess, village clk. Noted Feb. 27.

Ill., Belleville—Bd. Supervs. St. Clair Co. soon receives bids for earth grading and building culverts on Sect. N 15d, Bellville south to Hecker, 72,900 ft. long, 26 ft. wide, involving 61,041 cu.yd. grading, 498 cu.yd. concrete in culverts; Sect. M., Route 21, Belleville to Millstadt, 32,300 ft. long, 26 ft. wide, involving 26,312 cu.yd. grading and 314 cu.yd. concrete in culverts. Cost $37,000 and $18,000 respectively. D. O. Thomas, Belleville, co. engr.

Ill., Lincoln—City plans to pave various streets. About $30,000. W. C. Bates, city engr.

Ill., Rock Island—City plans to pave 20th Ave. from 25th to 27th Sts.; 19th Ave. from 25th to 27th Sts.; 25th St. from 18th to 20th Aves. and 32nd St. from 14th to 18th Aves., brick. W. Trichler, city engr.

Wis., Fond du Lac—Comrs. Fond du Lac Co. having plans prepared by Wisconsin Highway Comn., Madison, engrs., grading and surfacing with concrete 5½ mi. Fond du Lac Oshkosh Rd., 16 ft. wide.

Wis., Fond du Lac—Comrs. Fond du Lac Co. receive bids in April grading and surfacing with concrete 1½ mi. Fond du Lac Taycheedah Rd., 18 ft. wide. About $21,000. Wisconsin Highway Comn., Madison, engrs.

Wis., Hayward—Comrs. Sawyer Co. plan to expend $35,000 for building and repairing Federal and State Aid highways and $30,000 for county roads. J. S. McGeorge, chn. co. rd. and bridge comn.

Wis., Oshkosh—Comrs. Winnebago Co. plan election in April to vote on $2,000,000 bonds to build 100 mi. concrete road, 16 ft. wide.

Kan., Abilene—Dickinson Co. plans to pave 30 mi. Golden Belt Rd. through county, brick or concrete, 18 ft. wide; also receives bids about July 1 building 9 mi. Sante Trail and Bee Line Rd., brick or concrete, ½ mi. brick or bituminous macadam and 15½ mi. bituminous macadam, 18 ft. wide. K. Riddle, Abilene, engr.

Kan., Strong—City having plans prepared paving, grading, curbing and guttering 5280 ft Cottonwood Ave. from south city limits to 6th St., 32 ft. wide, involving 30,000 sq.yd. bituminous macadam, 10,560 lin.ft. concrete curbing and 10,560 lin.ft. concrete guttering. E. J. Cook, Cottonwood Falls, engr.

South Dakota—State Highway Dept., Pierre, receives bids about Apr. 1, grading, graveling and draining 16.5 mi. Watertown-Redfield Rd., Clark Co., 18 ft. wide, involving 52,000 cu.yd. earth excav., 16,500 cu.yd. gravel, 2280 lin.ft. corrugated culverts, 450 cu.yd. concrete culverts, 22,775 lbs. steel reinforcement, 6415 lin.ft. wooden guard rail. About $60,500.

South Dakota—State Highway Dept., Pierre, receives bids about Apr. 20 grading, graveling and draining 16.5 mi. Mitchell-Plankington Rd., 18 ft. wide, Davison Co., $32,000.

South Dakota—State Highway Dept., Pierre, plans to grade, drain and gravel, 21.8 mi. Dell Rapids Rd., 18 ft. wide, Minnehaha Co., involving 80,000 cu.yd. earth excav., 26,000 cu.yd. gravel, 1500 lin.ft. corrugated iron culverts, 450 cu.yd. concrete culverts, 12,000 lb. steel reinforcement, 2200 lin.ft. wooden guard rail, cost $100,000; 9 mi. Sioux City-Elk Point Rd., 18 ft. wide, Union Co., involving 60000 cu.yd. earth excav., 15,000 cu.yd. gravel, 300 lin. ft. corrugated culverts, 60 cu.yd. concrete culverts, 2000 lb. steel reinforcement, $42,000.

N. D., Grand Forks—City plans to build cement or cement tile sidewalks and crossings. J. J. Smith, city engr.

Mont., White Sulphur Springs—Comrs. Meagher Co. plan to improve roads. About $35,000.

Ark., Harrisburg—Rd. Impvt. Dist. No. 3, Poinsett Co., Marked Tree, rejected bids for grading, clearing, grubbing and draining 25 mi. road, 22 ft. wide, involving 185,000 cu.yd. grading, 25 acres clearing and grubbing, 20 acres grubbing, one 80 ft. bridge, two 60 ft. bridges, two 25 ft. bridges and 95 cu.yd. concrete culverts. Pride & Fairley, Osceola, engrs. Noted Feb. 20.

Tex., Cleburne—Johnson Co. plans to vote on $750,000 bonds to build concrete road from here to Grand View.

Tex., Dallas—City election Apr. 1, to vote on $1,000,000 bonds to improve various streets. G. D. Fairtrace, city engr.

Tex., Dallas—City having plans prepared paving Munger Ave. from Haskell to Carroll Aves., Grand Ave. from Holms to Wall Sts., Fletcher St. from Terry St. to Parry Ave., Cleveland St. from Grand to Forest Aves., Jefferson St. from Commerce to Wood Sts. and Colonial Ave. from Lenway St. to city limits. G. D. Fairtrace, city engr. Noted Feb. 27.

Tex., McKinney—Comrs. Collins Co. plan to vote on $1,570,000 bond issue, which together with $1,030,000 bonds voted on Feb. 22 and $179,000 voted last year will make a total of $2,719,000 available for road work during year. R. L. Moulden, co. judge.

Utah, Salt Lake—Salt Lake Co. plans to hard surface 5.5 mi. road from Taylorsville to Holliday Twp., 18 ft. wide, cost, $110,000; 3.5 mi. Hyland Dr. from 27th St. S., to Cottonwood Canyon, 18 ft. wide, $70,000; 2 mi. 21st St. S. from 11th St. E. to 27th St. E., 18 ft. wide, $40,000; 3 mi. road from Riverton to Draper, 16 ft. wide, $60,000; grade and hard surface 18 mi. Redwood Rd. from 21st St. S. to Bluffsdale, 16 ft. wide, $320,000; 3 mi. Vine St. from Murray to Hyland Dr., 16 ft. wide, $60,000; also macadamize 200 mi. of roads, including 8.5 mi. mountain roads, $500,000. G. G. Bywater, co. engr.

Wash., Seattle—King Co. authorized to improve 4 mi. Renton-Issaquah Rd., 2 mi. Redmond-Hollywood Rd., 2 mi. unpaved portion Auburn-Enumclaw Rd., 1.3 mi. Seattle-Renton Rd., paving ¾ mi. and grading and graveling ½ mi. Houghton-Medina-Bellebue Rd., 4.77 mi., Kent-Auburn Rd. S. Humes, co. engr., preparing plans.

Wash., Walla Walla—Comr. Walla Walla Co. plans to build 5 mi. concrete road. About $25,000 per mi.; Federal Government and county will each contribute $70,000.

Oregon—State has taken over post roads from Kingsley to Dufur and from Shanko to Antelope, and plans to improve same.

Oregon—State Highway Dept., Salem, approved following projects and will receive Federal aid for road in Ochoco Canyon, cost, $52,500, cost to be borne by county, state and government; Coos-Curry project, $110,000, state and government to bear ½ of cost; Canyonville-Galesville project, county contributes $23,000, government and state $94,000 each; Tiller trail project, county contributes $26,725, state and government $48,439 each; Zigzag Sect. of Mt. Hood Rd., $48,000, state and government will bear cost; McKenzie Pass, county, $26,-

Streets and Roads (Continued)

299, state and government $92,078 each; Lapine-Lakeview project, $79,419, state and government will bear cost; Flora-Enterprise Rd., county, $5000, state and government $12,324 each; Three Rivers Rd., county, $21,500, state and government $50,250 each; Anna Creek section Crater Lake Rd., $6780, state and government will bear cost; Grants Pass-Crescent City project, $31,476, state and government will bear cost; Medford Crater Lake project, county, $3500, state and government, $34,436 each; Sarvice-Valades Ranch section of John Day Highway, Wheeler and Grant Counties, $86,000, state and government, $157,216 each.

Oregon—State Highway Comn., Salem, has $23,000,000 available for 1919, 1920 and 1921 road work. About $1,819,000 to be derived from Bean bill; $6,119,000 from Federal aid; $10,000,000 from 1919 bond bill; unexpended portion of $6,000,000 bond bill, gasoline and quantity mill tax.

Oregon—State Highway Comn., Salem, having plans prepared paving Columbia Highway from Seuferts to The Dalles. M. Bennett, Pendleton, div. engr.

Oregon—State Highway Comrs., Salem, plan to build 15 mi. pavement test road on Pacific highway, ½ concrete, ½ wood block and ½ bituminous.

Ore., Albany—City plans to pave Salem Rd. from Main St. to eastern limits of city.

Ore., Bend—City plans to improve 4 mi. streets. Work includes grading, volcanic cinder surfacing and cement sidewalks. Cost between $100,000 and $200,000.

Ore., Grants Pass—Josephine Co. will have $41,000 available annually for roads from general road funds.

Ore., Lebanon—Lebanon-Cascadia Good Rds. Assn. having tentative plans prepared for hard surfacing road from Albany to Cascadia through Lebanon. Mountain portion to be rock or gravel. G. W. Cruson, pres.

Ore., Pendleton—City considering paving Garfield St. from Jackson to Wilson Sts., and opening Mark St. from Matlock to Ark Sts.

Ore., Portland—City plans to improve Willamette Blvd. from bridge over Spokane, Portland & Seattle Ry. cut to Richmond St. About $23,108. O. Laurgaard, city engr.

Ore., Portland—Multnomah Co. plans to pave Canyon Rd. from pavement on Jefferson St. to Sylvan St., Thorburn Ave. from East Stark and 63rd Sts., around Mt. Tabor, through Montavilla, to 92nd St., Riverside Dr. from pavement on Macadam St., South Portland, to private pavement on drive, East 17th St., Sellwood Twp., to Clackmas Co. line, concrete or bitulithic.

Ore., St. Helens—Columbia Co. soon lets contract improving Rock Creek Rd. at Blakey's Hill and also at Kearns Pl., Rd. Dist. No. 9. J. W. Hunt, co. clk.

Cal., Los Angeles—Bd. Pub. Wks. receives bids in April, paving 4500 ft. Glassell Ave., 25 ft. wide, 5 in. concrete base, bituminous surface, also grading and oiling 5 ft. on either side of pavement and building monolithic concrete storm sewers, about 300 ft. long, etc. A. C. Hansen, city engr.

Cal., San Bernardino—State Highway Comn., Sacramento, will bear cost of grading 10 mi. cut off road from Deep Creek to Bear Valley. About $200,000.

Cal., Santa Barbara—S. D. Taggart, city clk., soon receives bids improving 4950 ft. East Montecito St. between State and Milpas Sts., including concrete paving, cement curbing, etc. About $45,000. A. B. Cook, city engr. Noted Mar. 6.

Cal., Santa Barbara—S. D. Taggart, city clk., soon receives bids improving 7560 ft. West Montecito St., including concrete paving, cement curbing, etc. About $85,000. A. B. Cook, city engr.

BIDS DESIRED

Rhode Island—Until Mar. 21, by State Bd. pub. Rds., State House, Providence, rebuilding 1.15 mi. Boston Neck Rd., 18 ft. wide, Narragansett Twp., involving 30,000 gal. asphalt, 3400 cu.yd. earth excav., 4000 ton crushed stone and 2800 cu.yd. gravel foundations. About $25,000. I. W. Patterson, State House, Providence, engr.; advertised in this issue.

N. Y., Brooklyn—Until Mar. 19, by E. Riegelmann, boro. pres., regulating and repaving roadway of Engert Ave. from Russell to North Henry Sts., Grove St., from Central to Wilson Ave., Knickerbocker Ave., from Myrtle Ave. to Bleecker St., Ridge Blvd., from point north of Wakeman Pl. to Bayridge Ave., Saratoga Ave., from Jefferson Ave. to Halsey St., St. Johns Pl. from 5th to 6th Aves., 23rd St., from 3rd to 4th Aves., 45th St., from Ft. Hamilton Pkway to New Utrecht Ave., 54th St., from 4th to 5th Aves., asphalt on 6 in. concrete base; also grading, curbing and laying sidewalks on Jerome Ave., from Liberty Ave. easterly to boro line.

N. Y., New York—Until Mar. 18, by H. Bruckner, pres. Bronx Boro., regulating, grading, curbing, building sidewalks, crosswalks, approaches, etc., on Adams St. from Morris Park Ave. to New York, New Haven & Hartford R. R., Benson St. from Frisby to Lane Aves., Tacoma St. from St. Lawrence to Beach Aves., repaving with granite blocks on concrete foundation, roadway of Park Ave. E., from Claremont Pkway to East Tremont Ave., paving with bituminous concrete on cement concrete foundation on roadway of East 203rd St., from Webster Ave. to New York and Harlem R. R., granite blocks on sand foundation roadway of Jackson Ave. from Southern Blvd. to East 138th St., etc.

N. Y., New York—Until Mar. 18, by H. Bruckner, pres. Bronx Boro., repairing asphalt block pavement and resetting curb where necessary, etc.

N. Y., New York—Until Mar. 27, by H. Bruckner, pres. Bronx Boro., building transverse road, regulating, grading, regrading, etc., paving and repaving, East 161st St. from Morris to Jerome Aves., Grant Ave. from East 161st St. to East 162nd St., Walton Ave. from East 158th to 164th Sts., granite block and sheet asphalt on concrete foundation.

N. J., Flemington—Until Apr. 3, by Bd. Freeholders Hunterdon Co., resurfacing 2.457 mi. Ringoes-Woodsville Rd., involving 2250 tons broken stone, 700 tons filler, 400 tons dustless screenings, 15,135 gal. Tarvia B, etc. G. Davis, Whitehouse, co. engr.; advertised in this issue.

N. J., Hackensack—Until Apr. 9, by Bd. Freeholders Bergen Co., improving Williams Ave., Sect. 2, Hasbrouck Heights, Peterboro and Little Ferry boroughs, 7½-10½ in. Portland cement concrete surface on cinder foundation, involving 18,647 sq.yd. surface pavement, 10,640 cu.yd. foundation, etc. J. M. Harkness, co. clk.; advertised in this issue.

N. J., Newark—Until Mar. 18, by city, grading and laying plank roadway on Delancey St. from Ave. A to Ave. J. Work involves 83,000 ft. b. m. 3 x 12 in. plank, 11,300 ft. b. m. 4 x 6 in. stringers, 510 cu.yd. new clean coarse cinders and 500 cu.yd. excav. M. R. Sherrard, city engr.

N. J., Rutherford—Until Mar. 18, by city, paving Walnut St. between Morse and Erie Aves. and Erie Ave. between Walnut and Myrtle Sts., macadam asphalt.

N. J., Salem—Until Apr. 7, by Bd. Freeholders Salem Co., paving 3rd Sect. Mainga-Penn Grove Rd., Woodstown Boro., Pilesgrove Twp. Work involves 42,120 sq.yd. gravel surface pavement on earth foundation, etc. I. C. Smashey, clk.; advertised in this issue.

Pa., New Brighton—Until Mar. 20, by town paving 13th St., between 6th and Penn Aves., vitr. clay blocks, involving 3440 sq.yd. curb paving and 1700 cu.yd. grading, 350 lin.ft. new curb and 1050 lin.ft. old curb to be reset. H. T. Barker, city engr.

Pa., Phila.—Until Mar. 14, by G. E. Datesman, dir. dept. pub. wks., curbing, grading, paving and repaving with asphalt and vitr. block on various streets. About $137,898.

Pa., Pittsburgh—Until Mar. 25, by J. P. Moore, co. controller, Allegheny Co., filling, paving and curbing one side Breckenridge Rd., Harrison Twp., and Mile Lock Lane, in Breckenridge Boro. to Sycamore Ave. in Natrona Twp., 3400 ft. long, 20 ft. wide, involving 6800 yd. asphalt or concrete on 6 in. concrete base and 3400 lin.ft. 8 in. concrete curbing. R. V. Warren, co. engr.

Pa., Pittsburgh—Until Apr. 1, by J. P. Moore, co. controller, Allegheny Co., grading and paving 12,500 ft. Round Hill Rd., 20 ft. wide. R. V. Warren, co. engr. Noted Oct. 31.

Md., Baltimore—Until Mar. 19, by Bd. Awards, for Contr. 167, improving Boone St. from 20th to 22nd Sts., Homewood Ave. from 20th to 22nd Sts., 21st St. from Greenmount to Homewood Aves., 23rd St. from Greenmount Ave. to Star Lane, 20th St. from St. Paul St. to Greenmount Ave., 21st St. from Oak to Greenmount Aves., 23rd St. from St. Paul to Barclay Sts., Guilford Ave. from North Ave. to 23rd St., Barclay St. from North Ave. to 25th St., Oak St. from 21st to 24th Sts., including resurfacing over cobbles and curbing, involving 9000 sq.yd. sheet asphalt paving, 35,000 sq.yd. 1½ in. asphalt topping, 4000 lin.ft. armored concrete curbing, 17,000 lin.ft. old stone curbing reset and redressed, 500 lin.ft. old stone curbing reset, 500 lin.ft. old stone curbing redressed in place, 4000 sq.yd. brick gutters, 1300 cu.yd. grading and 3500 tons binder; Contr. 168, Atlantic Ave. from Harford Rd. to Lake Dr., Erdman Ave. from Harford Rd. to Lake Dr., Dobler Ave. from Harford Ave. to Lake Dr., Lake Ave. from Harford Ave. to Lake Dr. and Lake Dr. all around Lake Montebello, involving 10,500 sq.yd. concrete paving, 7500 lin.ft. concrete armored curbing and 3500 cu.yd. grading. J. M. McCummings, engr. for comrs. for opening streets.

Va., Accomac—Until Mar. 25, by J. B. Whealton, engr., 5507 Seminole Ave., Tampa, Fla., building 3½ mi. highway from Mainland to Chincoteague Island, 24 ft. wide on top; also building 1650 ft. trestle and draw bridge. About $100,000.

W. Va., Hamlin—Until Mar. 20, by Comrs. Lincoln Co. paving 11½ mi. road, concrete or asphalt, 16 ft. wide, 6 in. thick on sides and 8 in. thick in center. T. J. Bartrug, Hamilin, co. engr.

W. Va., Kingwood—Until Apr. 7, by Preston Co. grading and draining 4 mi. Kingwood-Terra Alta Pike, 20 ft. wide. About $16,000. H. E. Wilhelm, co. engr.

W. Va., Ripley—Until Mar. 18, by Jackson Co., grading and draining 1 mi. Ravenswood Rd. and 1 mi. Ripley Rd. J. S. Chase, co. rd. engr. Former bids rejected. Noted Jan. 23.

W. Va., Spencer—Until Apr. 22, by Comrs. Roane Co. building 9 mi. vitr. brick roads and bridges in Walton Dist. Woodyard & Alexander, Spencer, engrs.

N. C., Olive—Until Mar. 25, by Bd. Aldermen Town Council, improving various streets, involving 25,000 sq.yd. brick, asphalt, bitulithic or other pavement, 15,000 lin.ft. granite or concrete curb, 15,000 lin. ft. concrete gutter, 20,000 sq.yd. sidewalk and necessary drainage, etc. G. C. White, Durham, engr.; advertised in this issue.

S. C., Marion—Until Mar. 18, by Comrs. Marion Co., building 3½ mi. road at Gallivant's Ferry, including 12 pile timber bridges, aggregate length 2444 ft., requiring 354,000 ft. B. M. heart long-leaf pine, 26,000 lbs. hardware, 775 piles from 20 to 40 ft. long, 50,000 cu.yd. earth embankments and grading. Noted Dec. 5.

Ga., Newnan—Until Mar. 19, by Comrs. Coweta Co., building 4 mi. road. Federal Aid Project No. 15. About $20,200. Garrett & Slack, Bell Bldg., Montgomery, Ala., engrs.

Ga., Trenton—Until Apr. 1, by Comrs. Dade Co., building 10 mi. road. Work involves 12 acres clearing and grubbing 36,000 yd. excav., 4600 yd. rock excav., 950 yd. concrete, 17,000 lbs. reinforcing steel and 25,000 cu.yd. top soil. Johnson & Morgan, 500 Forsyth Bldg., Atlanta, engrs.

Fla., Miami—See "Miscellaneous."

Miss., Greenville—Until Apr. 15, by Highway Comn. Washington Co., resurfacing 49.5 mi. road with concrete, 9 ft. wide, or gravel, 12 ft. wide. Plans include 25.2 mi. road from Greenville to Lake Washington Rd., 4.4 mi. road from Greenville to Metcalf Rd., 10.2 mi. road from Leland to Sunflower Co. line, 5. mi. road from Hollandale to Murphy Bayou Rd., 4.7 mi. road from Arcola to Trail Lake Rd. E. W. Wood, chn.; advertised in this issue.

Michigan—Until Mar. 27, F. F. Rogers, comr. state highway, Lansing, shaping draining and surfacing 8 mi. Federal Aid Project No. 24, Berrien Co., waterbound macadam, concrete or bituminous concrete.

Michigan—Until Apr. 2, by F. F. Rogers, comr. state highway, Lansing, shaping, surfacing and draining 2 mi. Federal Aid Project No. 36, Ingham Co., west of Lansing, bituminous or concrete.

Ill., Kenilworth—Until Mar. 17, by Bd. Local Impvts., paving Winnetka Ave. from Sheridan Rd., involving 2400 sq.yd. 1 course rein.-con., 1400 cu.yd. excav., 5 brick catch basins, 1500 ft. tile drain pipe. C. N. Roberts, Reaper Blk., Chicago, engr.

Streets and Roads (Continued)

Ill., Rockford—Until Mar. 20, by Winnebago Co., building 29,432 ft. Grant Highway, Sect. H, State Aid Route No. 4, 18 ft. wide, involving, 12,000 cu.yd. grading, 147 cu.yd. concrete in culverts, 58,833 sq. yd. 7 in. concrete, cost $82,000 excluding cement; also 2369 ft. Sect. K., 18 ft. wide, involving 1470 cu.yd. grading, 4738 sq.yd. 7 in. concrete, $6800 excluding cement. A. R. Carter, co. supt. highways. Noted Dec. 26.

Minn., Anoka—Until Mar. 28, by comrs. Anoka Co., paving 6.6 mi. and surfacing with sand clay 13.8 mi. Federal Aid Project No. 16, State Rd. No. 1, involving 9 acres clearing and grubbing, 86,298 cu.yd. excav., 5635 lin. ft. guard rail, 684 lin. ft. 12-24 in. concrete culverts, loading and hauling 22,135 cu.yd. sand clay surfacing material. Noted Feb. 27.

Okla., Oklahoma—Until Mar. 19, by Bd. Comrs., paving 36th, 15th and 30th Sts., Ollie and Stiles Aves., north and south alley through blocks 3, 6 and 9, Dale Addition, alley in block 52, University Addition, 2 in. sheet asphalt; 42nd, 43rd, 41st, 28th and 29th Sts., Butler Pl., Kentucky and Stiles Aves., 2 in. asphaltic concrete; Lincoln Blvd. 1½ in. asphaltic concrete; Park Pl., 11th and 12th Sts. and Laird and Lindsay Aves., Capitol addition, 1 course concrete; East Ave., partly asphalt concrete and partly 1 course concrete. Work includes grading, filling, 4 in. concrete base on all surfaces, 18 in. concrete curbing, catch basins, inlets, manholes, and involves 18,850 sq.yd. sheet asphalt, 34,780 sq.yd. asphaltic concrete, 23,000 sq.yd. 1 course concrete. B. M. Hart, city engr.

Washington—Until Mar. 21, by State Highway Comn., Olympia, paving 4½ mi. Sunset Blvd. About $80,000.

Wash., Seattle—Until Mar. 21, by Bd. Pub. Wks., paving 1 mi. West Spokane St., brick, cost, $180,000, concrete, $152,000 Work involves 22,300 sq.yd. pavement. A. H. Dimock, city engr. Noted Feb. 20.

Wash., Seattle—Until Mar. 21, by Bd. Pub. Wks., paving ½ mi. concrete walk on 1st Ave., S., cost, $32,000; 2½ mi. concrete paving on Leary Ave., cost between $82,000 and $87,000. Work involves 22,000 sq.yd. pavement. Noted Jan. 2.

Ore., Gold Beach—Until Apr. 2, by Curry Co., building 3 mi. wagon road on south side of Chetco River, from Jacks Creek to Bravo Pl.

Ore., Marshfield—Until Apr. 1, by Coos Co., building 12½ mi. road between here and Coquille. A. B. Gidley, co. engr. Noted Dec. 26.

Cal., Santa Ana—Until Apr. 2, by Bd. Supervs. Orange Co., paving 6460 lin.ft. 17th St., 5th Rd. Dist. and 2520 ft. Magnolia Ave., 3rd Dist., concrete. E. L. McBridge, co. surv. Noted Jan. 23.

Ont., Orillia—Until Mar. 22, by James, Louden & Hertzberg, engrs., Excelsior Life Bldg., Toronto, paving with concrete, bitulithic on concrete, bituminous macadam on concrete, or asphalt on concrete about 40,000 sq.yd. streets for Town Council. Noted Dec. 26.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Comr. Pub. Wks. let contract paving 1171 ft. Dunbar Ave. and Walk Hill St., Dorchester Twp., 48-50 ft. wide, involving 6550 sq.yd. asphalt, to M. De Matteo, Dudley St., Roslindale, cost $20,842; 1383 ft. Baird, Irma and Middleton Sts., Dorchester Twp., 40 ft. wide, involving 6280 sq.yd. bituminous macadam, to Warren Bros., 142 Berkeley St., $18,489; alleys No. 818, 819, 820 and 821, Roxbury Twp., 1849 ft. total length and 16 ft. wide, involving 3700 sq.yd. granite block, on 6 in. concrete base, to J. McCourt Co., 46 Wait St., Roxbury, $11,022.

★**Rhode Island—State Bd.** Pub. Rds., State House, **Providence**, let contract building 2.04 mi. State Highway, Boston Neck Rd., from North Kingstown and Narragansett Twps., 18 ft. wide to J. Bristow, Narragansett Pier, $42,749. Work involves 7000 cu.yd. earth excav., 1450 cu.yd. stone fill foundation, 7875 cu.yd. gravel foundation, 7000 ton crushed stone and 60,000 gal. hauling, heating and applying bituminous binder. Noted Feb. 27.

★**Connecticut**—C. J. Bennett, comr. state highway dept., Hartford, let contract building 7300 ft. Barnum Ave., concrete Stratford Twp., to W. H. Arthur, Washington Bldg., Stamford, $47,879; 9938 ft. Farmington-Avon River Rd., native stone macadam, Farmington Twp., to J. Arborio 36 Ward St., New Haven, $29,737; 7258 ft. Waterbury-Thomaston Highway, concrete, Waterbury, to Sperry Eng. Co., 82 Church St., New Haven, $39,622; 2930 ft. Clintonville-Northford Rd., native stone macadam, Clintonville Twp., to Immich Co., Meriden, $7636. Noted Feb. 20.

Connecticut—C. J. Bennett, comr. state highway dept., Hartford, received bids Feb. 28, building 13,933 ft. Shore Rd., concrete, Groton Twp., from F. D. Miller, Poquetanuck St., Norwich, $89,763; Sperry Eng. Co., 82 Church St., New Haven, $91,615; F. Arrigoni & Bro., 605 Main St., Middletown, $97,590. Noted Feb. 20.

N. Y., Brooklyn—E. Riegelmann, boro. pres., received bids grading, curbing and laying sidewalks, asphalt, on (1) East 8th St., from Ave. K to M; (2) 36th St. from Church Ave. to 15th St.; (3) 86th St. from 21st to 22nd Sts.; (4) 4th Ave. from 60th St. to Bay Ridge Ave., from Castle Bros., Inc., Johnson Pl., (1) $6162; M. Sanzo, Brooklyn, (1) $7068; B. Turacamo, Brooklyn, (1) $7157; Cranford Co., 52-9th St., (2) $12,433; (3) $14,655; (4) $97,264; Uvalde Asphalt Paving Co., Metropolitan Ave., (2) $13,088; (3) $15,415; (4) $100,505; Sicillian Asphalt Paving Co., Paidge Ave., (2) $13,235; (3) $15,232; (4) $98,709. Noted Feb. 27.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., received bids Mar. 10, regulating, grading, curbing, paving, etc., bituminous macadam, 81th St. from 80th to 85th Sts., from Peace Bros., 20 Main St., Flushing, $6492; Skillman Ave. from 3rd to 5th Sts., from F. J. Clancy, $3595; Mount St. from Hunterspoint to Thompson Aves., from Welsh Bros., 39 Queens Blvd., $1388; Gamma Pl. from Suburban St. to Myrtle Ave., from C. A. Myers, foot of Stagg St., Brooklyn, $1905; 85th St. from 83rd to 91st Sts., from Savero & Britton, $8401; Sanford Ave., from T. F. Tuohy, 98 Main St., Flushing, $149; 87th St. from 78th to 80th Sts., from Peace Bros., $1615; Hillside Ave. from Morris to Metropolitan Aves., from T. Welsh, $1278. Noted Mar. 6.

N. J., Hoboken—City received bids Mar. 4, paving 4th St. from Hudson to Jackson St., 7th St. from Madison to Jackson St., 11th St. from Clinton to Madison St., 14th St. from Park to Willow Ave., granite block, from A. Lettiere & Sons Co., 261 Wayne St., Jersey City, cost $70,000; 7th St. from Park Ave. to Adams St., asphalt, from W. T. S. Crichfield Co., 54 5th St., $10,000. Noted Feb. 27.

★**N. J., Rumson**—Boro. Council let contract building Rumson Rd., 2 in. Warrenite top, 6 in. concrete base, to H. W. Scott, Cranbury, $128,262. Work involves 29,175 sq.yd. surface pavement and 5203 cu.yd. foundation. Noted Jan. 23.

★**Pa., Pittsburgh**—City let contract paving, grading and curbing. (a) Eggers St. from Lookout St. to Voegtly Cemetery line involving 1200 sq.yd. vitr. brick and 285 sq.yd. stone block on 6 in. concrete base, 1165 lin.ft. concrete curbing, 963 cu.yd. earth excav.;

(b) Holmes St. from 53rd to 54th Sts., 1300 sq.yd. vitr. brick and 100 sq.yd. stone block on 6 in. concrete base, 760 lin.ft. concrete curbing, 642 cu.yd. earth excav.;

(c) Maple Ave. from McIntyre to Burgess Sts., 1085 sq.yd. stone block, on 6 in. concrete base, 386 lin.ft. concrete curbing, 1157 cu.yd. earth excav., 230 yd. trench excav.;

(d) Fredonia St. from Lorenz Ave. to city line, 1735 sq.yd. vitr. brick, on 6 in. concrete base, 1300 lin.ft. concrete curbing, 450 cu.yd. earth excav.;

(e) Lakewood Ave. from Lorenz Ave. to city line, 36 ft. wide, 1281 sq.yd. vitr. brick, on 6 in. concrete base, 985 lin.ft. concrete curbing, 1107 cu.yd. earth excav.;

(f) Proxim Way from Montooth to Estella Sts.; 1960 sq.yd. vitr. brick on 6 in. concrete base, 990 ft. concrete curbing, 1168 cu.yd. earth excav.;

(g) Mellon St. from Bryant to Elgin Sts., 924 sq.yd. asphalt on 6 in. concrete base, 488 lin.ft. concrete curbing, 152 cu. yd. earth excav.;

(h) Rosina Way from Taylor to Ella Sts., 583 sq.yd. asphalt on 6 in. concrete base, 339 cu.yd. earth excav.;

(i) Boggs Ave. from Arion to Soffel Sts., 1089 sq.yd. vitr. brick on 6 in. concrete base, 491 lin.ft. concrete curbing;

(j) Carson St. from point 1332 ft. east from South Main St. to point 1221 ft. west from south approach to Point bridge, 3535 sq.yd. stone block, 1755 lin.ft. concrete curbing, 240 cu.yd. earth excav., 310 cu.yd. trench excav.;

(k) Moyer St. from Allendale to Francisco Sts., 552 sq.yd. vitr. brick on 6 in. concrete base, 378 lin.ft. concrete curbing, 214 cu.yd. earth excav.;

(l) Tweed St. from Allendorf to Francisco Sts., 3060 sq.yd. vitr. brick on 6 in. concrete base, 2120 lin.ft. concrete curbing, 1709 cu.yd. earth excav.;

(m) Francisco St. from Tweed to Moyer Sts., 2060 sq.yd. vitr. brick, [illegible] lin.ft. concrete curbing, 1282 cu.yd. earth excav., etc.; also building storm sewer.

Pittsburgh Paving Co., Baker Bldg. (a) $9403; (b) $7824; (l) $4927.

T. Cronin, 17th and Muriel Sts., [illegible] $12,694; (g) $4966; (h) $4085; (k) $2560; (m) $14,135.

T. O'Toole, Sheridan, (d) $9042; (j) $12,519.

M. O'Herron, South 1st and Meridian Sts., (e) $8169; (j) $53,427.

M. Ott & Co., 414 Warrington Ave., (i) $12,121. Noted Mar. 6.

★**Maryland**—State Highway Dept., 501 Garrett Bldg., Baltimore, let contract excavating and grading 1200 ft. Washington Blvd. near Elkridge, to H. Frior, 1207 West Pratt St., Baltimore, $0.50 per sq.yd.; resurfacing with concrete, to Thomas Bennett & Hunter, Westminster, $1.55 per sq.yd.; state to furnish material and convict labor. Total cost between $18,500 and $19,000. Plans include straightening "Dead Man's Curve," 20 ft. wide, 3 ft. dirt shoulders, and involves 15,000 cu.yd. earth excav., building 20 ft. concrete culvert, etc.

★**S. C., Spartanburg**—Comrs. Spartanburg Co., let contract paving 2 mi. Appalachian Highway, and 1.9 mi. asphaltic concrete, to Southern Paving and Constr. Co., James Bldg., Chattanooga, Tenn., cost $2.25 per sq.yd.; 9.5 mi. Blackstock Rd. to J. F. Blankenship & Son; 7 mi. Buncomb Rd. and 3 mi. Woodruff Rd., to Thompson & Chandler. Noted Feb. 20.

O., Cleveland—Comrs. Cuyahoga Co. received bids improving following streets: (a) Korman Ave. from West 74th to West 79th Sts., involving 1100 cu. yd. excav., 90 ft. 12 in. catch basin pipe, 1830 ft. 4 in. French drain, 20,220 sq.ft. 5 in. brick block paving and 1830 ft. 5 in. Berea stone curbing; (b) Flora Ave. from East 100th to East 103rd Sts., 380 cu.yd. excav., 1200 ft. 4 in. French drain, 15,600 sq.ft. 5 in. brick block paving and 1200 ft. 5 in. Berea stone curbing; (c) Altoona Rd. from Pearl Ave. to West 32nd St., 750 cu.yd. excav., 1150 ft. 4 in. French drain, 15,730 sq. ft. 4 in. brick block paving on 6 in. concrete base and 1150 ft. 5 in. Berea stone curbing; (d) Emily Ave. from West 82nd to West 88th Aves., 700 cu.yd. excav., 11,040 sq. ft. 5 in. brick block paving on 6 in. concrete base and 20 ft. stone curbing; (e) Lakeside Ave. from West 6th to West 9th Sts., 940 cu.yd. excav., 960 ft. French drain, 21,600 sq.ft. Medina stone paving on 6 in. concrete base and 960 ft. Medina stone curbing; (f) Aetna Rd. from East 93rd St. to Erie Ry., 300 cu.yd. excav., 110 ft. 12 in. catch basin pipe, 2311 ft. 4 in. French drain, 30,415 sq.ft. 5 in. brick block paving on 6 in. concrete base and 2310 ft. 5 in. Berea stone curbing; (g) Broadway from East 34th St. to 1145 ft. westerly, 2400 cu.yd. excav., 2250 ft. 4 in. French drain, 48,340 sq.ft. Medina stone paving on 6 in. concrete base and 2250 ft. Berea stone curbing; (h) Alverno Court from West 41st to West 39th Sts., 220 cu.yd. excav., 7050 sq. ft. 5 in. brick block paving; (i) East 128th St. from Penobscot to St. Clair Aves., 880 cu.yd. excav., 1370 ft. 4 in. French drain, 16,400 sq.ft. 4 in. brick block paving on 6 in. concrete base and 1370 ft. Berea stone curbing, from Baldwin Bros., 506 Rose Bldg., (a) $11,841, (b) $7013, (c) $10,186, (d) $7942, (e) $17,880, (f) $23,552, (g) $39,531, (h) $30,733, (i) $11,074; Enterprise Paving Co., 8436 Bway. Ave., (a) $12,162, (e) $18,007, (f) $23,260, (g) $39,686; Gould & Maybach, 823 East 156th St., (a) $12,233, (b) $10,843; Reiley Bros., 348 Arcade Bldg., (b) $7069, (d) $8021, (f) $23,585, (h) $3064, (i) $10,983.

★**Ind., Greenfield**—Hancock Co. let contract building Porter Bolander et al Rd., in Vernon Twp. to C. Sachs, $11,609.

Mich., Detroit—Dept. Pub. Wks. received bids paving and curbing

(a) St. Aubin Ave. from end of paving north of Newton to Euclid Aves., 28 ft. wide, involving 3320 cu.yd. excav., 2509 lin.ft. curbstone, 3975 sq.yd. sheet asphalt on 6 in. concrete base, 68 cu.yd. concrete under and behind curb, 143 lin.ft. retaining stone;

(b) Blaine Ave. from west line Dexter Blvd. to east line Radford Ave., 26 ft. wide, 2023 cu.yd. excav., 2436 lin.ft. curbstone, 3789 sq.yd. asphaltic concrete on 6 in. concrete base, 70 cu.yd. concrete under and behind curb, 194 lin.ft. retaining stone;

(c) "T" alley between 2nd, Woodward, Bethune and Pallister Aves., 20 ft. wide, 596 cu.yd. excav., 1978 sq.yd. 1 course concrete, 797 lin.ft. retaining plank 2 x 6 ft.;

(d) "T" alley between Wilson, Byron, Hazelwood and Taylor Aves., 18 ft. wide

Streets and Roads (Continued)

677 cu.yd. excav., 1656 sq.yd. 1 course concrete, 1332 lin.ft., retaining plank 2 x 6 ft., 34 lin.ft. retaining stone;

(e) "East and West" alley between 12th St., Holden Ave., Ferry Park and West Grand Blvd., 18 ft. wide, 346 cu.yd. excav., 1073 sq.yd. 1 course concrete, 1055 lin.ft. retaining plank 2 x 6 ft., 18 lin.ft. retaining stone;

(f) "North and South" alley between 1st St. west of Woodward Ave. from Forest to Hancock Aves., 15 ft. wide, 191 cu.yd. excav., 590 sq.yd. 1 course concrete, 583 lin.ft. retaining plank 2 x 6 ft., 20 lin.ft. retaining stone;

(g) Alley between Hamilton Blvd., 3rd St., Seward Ave. and Virginia Park, 20 ft. wide, 535 cu.yd. excav., 1766 sq.yd. 1 course concrete, 1333 lin.ft. retaining plank 2 x 6 ft.;

(h) Alley between 3rd and 2nd Sts., Glynn Court and Calvert Aves., 19 ft. wide, 507 cu.yd. excav., 1731 sq.yd. 1 course concrete, 1617 lin.ft. retaining plank 2 x 6 ft.;

(i) Alley between Brush, Oakland, Josephine and Owen Aves., 17 ft. wide, 528 cu.yd. excav., 1607 sq.yd. 1 course concrete, 1612 lin.ft. retaining plank 2 x 6 ft.;

(j) Alley between Byron, Hamilton, Taylor and Clairmont Aves., 18 ft. wide, 347 cu.yd. excav., 1151 sq.yd. 1 course concrete, 1087 lin.ft. retaining plank 2 x 6 ft.;

(k) "East and West" alley between 3rd, 2nd, Colburn and Antoinette Sts., 20 ft. wide, 310 cu.yd. excav., 915 sq.yd. 1 course concrete, 796 lin.ft. retaining plank 2 x 6 ft.;

(l) Alley between Orleans and Dequindre Sts. and Lafayette and Monroe Aves., 15 ft. wide, 216 cu.yd. excav., 574 sq.yd. 1 course concrete, 418 lin.ft. retaining plank 2 x 6 ft.;

(m) Alley between Beechwood, Firwood, Seebaldt and Allendale Aves., 20 ft. wide;

(n) "T" alley between Vinewood, Taft, Scoval and Grand River Aves., 18 and 20 ft. wide;

(o) Alley between Sheridan, Townsend, Kercheval and Waterloo Aves., 15 and 20 ft. wide;

(p) Alley between 14th, Wabash, Magnolia and Linden Sts., 20 ft. wide;

(q) Alley between Ironwood, Beechwood, Oregon and Vancouver Aves., 18 ft. wide;

(r) Alley between Calumet, Commonwealth, Canfield and Trumbull Aves., 20 ft. wide;

(s) Linwood Ave. from Joy Rd. to Calvert Aves., 30 and 35 ft. wide less single track space;

(t) Delmar Ave. from Lynn to Caniff Sts., 26 ft. wide;

(u) Laura St. from McClellan to Pennsylvania Aves., 26 ft. wide;

(v) Elsa Ave. from McClellan to Pennsylvania Aves., 26 ft. wide;

(w) Burnett Ave. from Van Dyke to Maxwell Aves., 26 ft. wide;

(x) David Ave. from Crane to Rhons Aves., 26 ft. wide, from

Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $21,279; (b) $16,418; (s) $49,023; (t) $9650; (u) $9543; (v) $8990; (w) $7723; (x) $5804.

W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $21,308; (b) $16,345; (s) $49,169; (t) $10,022; (u) $10,187; (v) $9518; (w) $8088; (x) $6208.

Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $21,507; (b) $16,458; (s) $48,545; (t) $9816; (u) $9644; (v) $9024; (w) $7794; (x) $5858.

Talbot Co., Penobscot Bldg., (c) $5193; (d) $4745; (g) $4569; (h) $4665; (j) $3277; (k) $2817; (l) $2028; (m) $5723; (o) $1853; (p) $3495; (q) $2902.

R. J. Powelson Co., 1577 Iroquois Ave., (c) $5325; (d) $4613; (e) $3107; (f) $1953; (g) $4823; (h) $4496; (l) $4512; (j) $3076; (k) $2731; (l) $1979; (m) $5185; (p) $3351; (r) $1611.

Oakwood Constr. Co., Ford St. and Wabash R. R., (c) $5231; (d) $4601; (e) $2905.

Otis Cement Constr. Co., 806 Hammond Bldg., (c) $2988; (f) $1890; (h) $4709; (i) $4329; (j) $3047; (k) $2622; (l) $1889; (m) $5343; (n) $4879; (p) $3442; (q) $2732; (r) $1682;

Lennane Bros., Union Trust Bldg., (f) $1884;

E. Meredith & Co., 145 Harper Ave., (g) $4887; (i) $4438; (m) $5343; (n) $5050; (o) $5070; (q) $2732.

W. E. Currie, 20 McGraw Bldg., (o) $4980.

Lennane & McIlvenna, Union Trust Bldg., (r) $1676.

Noted Feb. 20.

Wis., Kenosha—City received bids Mar. 6 for 79,234 sq.yd. pavement, either brick, sheet asphalt, rein.-con. or vertical fiber brick and 23,342 lin.ft. curbing and guttering (a) excavation, (b) brick with asphalt filler, (c) brick with cement filler, (d) vertical fiber brick with asphalt filler, (e) sheet asphalt, type A, (f) rein.-con., (g) curb and gutter, (h) sheet asphalt, type B, from C. Peterson Co., Kenosha, (a) $0.75 per cu. yd., (b) $2.89 per sq.yd., (c) $2.79 per sq.yd., (d) $2.62 per sq.yd., (e) $2.69 per sq.yd., (f) $2.41 per sq.yd., (g) $0.68 per lin.ft., J. Cape & Co., 468-Water St., Racine, (a) $0.70 per cu.yd., (b) $2.96 per sq.yd., (c) $2.68 per sq.yd., (d) $2.80 per sq.yd., (f) $2.50 per sq.yd., (g) $0.75 per lin.ft., Western Impvt. Co., 840 9th St., Racine, (a) $0.65 per cu.yd., (b) $2.99 per sq.yd., (e) $2.38 per sq.yd., (g) $0.73 per lin.ft., (h) $2.28 per sq.yd. Noted Feb. 27.

★**Minn., St. Paul**—Comrs. Ramsay Co. let contract to Garrick Bros., Scandinavian Bank Bldg., graveling and improving ½ mi. Frost Ave., cost, $2449; ½ mi. Oakdale Rd. in West St. Paul from south end of 1917 improvement to Mendota Rd., $4249; grading, claying and graveling 1 mi. Fairchild Ave. between Dale and Rice Sts., $2449; D. W. Moore, 894 Edmund St., graveling and improving Dale St. from Crosby Rd. north 1 mi. from Crosby Rd., $3160; claying and graveling 1 mi. Highwood Rd., $2398; A. H. Skiba, New Brighton, grading, claying and graveling Hamline Rd. between Valentine Lake and Manimin Rd., $5480. Noted Feb. 6.

★**Neb., Lincoln**—City let contract paving Worthington Ave., sheet asphalt, and Starr St., asphaltic concrete, to Abel Constr. Co., 318 Terminal Bldg., $2750 and $10,030 respectively; resurfacing 27th St., asphaltic concrete, 2 in. thick, and paving 33rd St., asphaltic concrete, to Burke-Cochrane Constr. Co., 522-1st National Bank Bldg., $8855 and $11,959 respectively. Noted Feb. 27.

★**Tex., Ballinger**—Comrs. Runnels Co. let contract grading, draining and gravel surfacing 8½ mi. Central Texas Highway, to Kuykendall & Thompson, Temple.

★**Colo., Denver**—City let contract building cement sidewalks, crosswalks, culverts, etc., in South Denver Surfacing Dist. No. 15, to J. F. Roberts, Tramway Bldg., $21,515; surfacing various streets in North Denver Surfacing Dist. No. 4, to E. G. Gibbons, 1355 Milwaukee St. $17,590. Noted Feb. 6.

★**Oregon**—State Highway Comn., Salem, let contract grading and graveling 7.2 mi. John Day Highway, from John Day to Fisk Creek Sect., Grant Co., involving 42,000 cu.yd. excav. and 20,000 cu.yd. gravel; grading and paving 6.9 mi. Pacific Highway from Jefferson to Albany, Linn Co., involving 31,000 cu.yd. excav., 65,000 sq.yd. surfacing, etc., to A. D. Kern, $111,264 and $168,827 respectively.

Ore., Portland—City received bids improving Bidwell Ave. from East 7th St. to Milwaukee Ave., concrete roadway, from Cochran Bros., $2 per sq.yd., total, $24,301; Warren Constr. Co., Journal Bldg., $2.10 per sq.yd., total, $25,263. Noted Feb. 27.

Railways

PROPOSED WORK

Florida—See "Industrial Works," Tampa.

Nebraska—Chicago, Burlington & Quincy R.R. (lines west of Missouri River), plans following improvements during year: replacement of several miles of 90-lb. steel rails with lighter steel; application of additional ballast in main tracks; equipment of several miles of main track with automatic block signals; new modern power plants to replace old ones; new concrete and steel bridges to replace lighter structures and extension or enlargement of several depots, roundhouses, fuel stations and water stations. Exact location of improvements not determined. F. T. Darrow, Lincoln, engr., maintenance of way.

California—City of Pasadena election Apr. 3 to vote on $2,000,000 to $3,000,000 bonds to build municipal railway from Pasadena to Los Angeles. Pasadena holds option to purchase at $680,000 the Pasadena Rapid Transit Co.'s right of way from south limits of Pasadena to within short distance of Los Angeles business center. About $300,000 will be required to purchase right of way for 4 track line in Pasadena. Cost of terminal at Pasadena, $115,676; Los Angeles, $49,500. R. B. Orbison, city engr., Pasadena, preparing plans for electric railway which will be included in bond issue.

Excavation and Dredging

PROPOSED WORK

N. J., Jersey City—Ditches—Mosquito Extermination Comn. of Hudson Co., 665 Newark Ave., soon lets contract for 100,000 ft. of drainage ditches on salt marsh meadows beginning at Bergen Co. line and extending along either side of Hackensack River to Kill von Kull. Plans include filling in all post holes and other depressions with material or sod removed from ditches. L. E. Jackson, secy.

N. C., New Holland—Canal—Mattamuskeet D. D. soon lets contract for cleaning 20-70 ft. canal, suction dredge work. About $125,000. K. L. Ponzer, ch. engr.

Ga., Dalton—Drainage—See "Streets and Roads."

La., Crowley—Ditches—Iota—Longpoint D. D., Acadia Parish, had plans prepared by M. Bernard, engr., Crowley, for 25 mi. ditch, involving 500,000 cu.yd. floating dredgework.

Minn., Ada—Ditch—Comrs. Norman Co. plan to expend $15,000 for county and judicial ditches involving about 50 mi. open ditch. J. A. Erickson, highway engr.

Minn., Breckenridge—Ditch—Comrs. Wilkin Co. plan to expend $203,129 to build 2 judicial ditches. P. E. Traux, co. aud.

Minn., Montevideo — Ditches — Comrs. Chippewa Co. plan to expend $270,000 to build county and judicial ditches.

Minn., Pipestone—Ditch—Comrs. Pipestone Co. plan to expend $90,000 to build county and judicial ditches involving 50 mi. tile and 20 mi. open ditch work. T. A. Bailey, co. aud.

Minn., Willmar—Ditch—Comrs. Kandiyohi Co. plan to expend $300,000 to build county and judicial ditches, tile and open work. S. Nelson, co. aud.

Minn., Windom—Ditch—Comrs. Cottonwood Co. plan to expend $100,000 to build county and judicial ditches, involving 40 mi. tile. S. A. Brown, co. aud

Mont., Townsend—Irrigation—Blaine Co. Irrigation Dist. plans to build diversion dam and 50 mi. of canals to irrigate 81,000 acres. G. E. Stratton, Malta, engr.

Wash., Spokane—Irrigation—Hazelwood Irrigated Farms Dist. voted $100,000 bonds to develop irrigation in district. Plans include boring about 12 wells, etc.

Ore., Madras—Irrigation—Secy. of Interior authorized Recl. Bureau to make surveys and examinations of watersheds and storage reservoir sites for Deschutes Irrigation project. Noted Feb. 27.

Ore., Portland—Dredging—Port of Portland plans to dredge in front of all harbor docks to provide 30 ft. of water for larger vessels. Dipper dredges will be used in removing rock from Abina dock.

Ore., Salem—Irrigation—Twenty-four irrigation districts throughout state plan to issue $20,000,000 bonds for irrigation system to cover 7,000,000 acres desert land.

Cal., Newport Beach—Dredging—City voted $65,000 bonds to dredge 200 x 1000 ft. turning basin. P. Kressly, city engr.

Cal., Riverside—Drainage—Bd. Superv. Riverside Co. receives bids in May or June, building drainage systems in Drainage Impvt. Dist. No. 3, northeast of here, along Mission Rd. About $30,000. Work involves 17,505 ft. 8-24 in. tile, 18 concrete manholes, 9 sewer pipe inlets, 1 concrete outlet, etc. A. C. Fulmor, co. surv.

BIDS DESIRED

Ia., Mason City—Drainage—Until Mar. 17, by Cerro Gordo Co., building D. D. No. 67 involving 7800 ft. 12-24 in. tile and 3 laterals involving 1800 ft. 6-10 in. tile. P. Weigand, aud.

Kan., Marion—Drainage—Until Mar. 26, by Cottonwood Valley D. D., for improving Cottonwood River, involving 968,000 cu.yd. new channel excav., 160,000 cu.yd. excav. from present channels, 130,000 cu. yd. levee embankment and 56,000 lin.ft. removal of obstructions other than earth from present channels. Tuttle-Ayers-Woodward Eng. Co., 305-7 Reliance Bldg., Kansas City, Mo., engrs.; advertised in this issue. Noted Oct. 17.

Excavation and Dredging (Continued)

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

N. Y., Rochester—Barge Canal Works—B. L. Nixon, supt. pub. wks., received bids Mar. 11, completing canal from Kings Bend to Lehigh Valley R.R. crossing here, Contr. No. 190, from Empire Eng. Co., Inc., 60 Church St., New York City, $245,191; J. W. Holler, Ft. Edward, $246,550; Amer. Pipe & Constr. Co., 112 North Broad St., Phila., Pa., $250,154. Work involves 61,000 cu.yd. excav., 20,000 cu.yd. forming embankment, 640 lin.ft. foundation piles, 875 cu.yd. 2nd class concrete, 420 lin.ft. 12 in. vitr. pipe, removing timber approaches to Clinton Ave. bridge, building 1 storehouse, etc. Noted Feb. 20.

★**Ia., Logan**—Drainage—Comrs. Harrison Co. (Logan) and Monona Co. (Onawa) let contract building Upper Willow D. D. No. 2, Sect. 1 to 9, main ditch involving 504,680 cu.yd. excav. and 8 lateral ditches involving 16,106 cu.yd. excav., to Colahan Walker Co., Omaha, Neb., entire job $0.1132 per cu.yd. Noted Feb. 27.

★**Cal., Los Angeles**—Irrigation—Bd. Pub. Serv. let contract furnishing 10,000 ft. 6 in. sheet steel riveted pipe for extending pipe lines from city aqueduct to irrigate lands at Raymar and Van Nuys in San Fernando Valley, to Baker Iron Wks., North Bway. and Ord Sts., $0.65½ per ft. Noted Feb. 27.

Industrial Works

PROPOSED WORK

Mass., New Bedford—W. A. Robinson & Co., 144 South Water St., plans to rebuild plant recently destroyed by fire. Loss $75,000.

R. I., Providence—City receives bids about May building 2 story central heating plant. About $50,000. J. H. Gainer, mayor.

Conn., New Haven—T. R. Blakeslee, 84 Norton St., plans to build 6 story, 88 x 108 ft., brick, steel and concrete factory, rein.-con. flooring, concrete foundation, on Hill and Congress Aves., to be occupied by Bradley-Smith Co. About $65,000. Dwight Bldg. Co., 24 Center St., engrs.

Conn., South Willington—W. H. Hall receives bids in April building 3 story, 60 x 100 ft. mill construction dye house, concrete foundation. About $40,000. A. R. Sharpe, Willimantic, archt.

Conn., Waterbury—C. H. Preston, Jr., archt., 136 Grand St., receives bids about Mar. 21, building 1 story, 70 x 104 ft. brick and concrete public garage, rein.-con. flooring, concrete foundation, on Hill St., for W. Roberts. About $30,000.

N. Y., Brooklyn—Cushman Baking Co., 44 Manhattan Ave., having plans prepared by Slee & Bryson, archts., 154 Montague St., for 3 story, 60 x 100 ft., brick and steel bakery, concrete foundation, on Nostrand Ave. and Malbone St. About $125,000.

N. Y., Brooklyn—Lehn & Fink, 120 William St., New York City, plans to build 8 story, 40 x 100 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, on Irving and Columbia Sts. Buchman & Kahn, 56 West 45th St., New York City, archts.

N. Y., Brooklyn—Shampan & Shampan, archts., 772 Bway, soon let contract building 1 story, 50 x 200 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Coney Island Ave. and Prospect Park W., for Circle Garage Co., 250 Coney Island Ave. Abopt $45,000. Noted Dec. 26.

N. Y., Flushing—L. Nixon, supt. pub. wks., Capitol, Albany, soon receives bids building barge canal terminal and frame freight shed here. About $162,590.

N. Y., Geneva—Geneva Cutlery Co., Torrey Pk., plans to build large addition on Gates Ave. Cost between $75,000 and $100,000. Plans include construction of 24 ft. bridgeway to connect proposed addition to existing plant.

N. Y., Long Island City—S. Kappen & Bros., 68 West 34th St., New York City, had plans prepared by Ballinger & Perrot, archts., 1328 Bway., New York City, for 6 story, 135 x 489 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, on Jackson Ave. between Hulst and Harold Aves., here. About $750,000.

N. Y., Rochester—Dairyman's League plans to build milk handling plant here. About $150,000. Address G. M. Tyler, pres.

N. Y., Tuckahoe—Hodgeman Rubber Co., having plans prepared by W. L. Stoddard, archt., 9 East 40th St., New York City, for 1 story, 50 x 150 ft., brick and steel factory, rein.-con. flooring, concrete foundation, here.

N. J., Newark—Federal Adding Machine Co., York and Grove Sts., New Haven, Conn., plans to build experimental plant near here. About $250,000.

Pa., New Kensington—Dispatch Printing Co., 324 9th St., had plans prepared for printing plant. About $35,000.

Pa., Phila.—J. J. Felin Co., Inc., 4148 Germantown Ave., plans to build 3 story, 40 x 89 ft., steel, concrete and brick paving plant, rein.-con. flooring, concrete foundation, at 4142 Germantown Ave. About $50,000. C. B. Comstock, 110 West 40th St., New York City, archt.

Pa., Pittsburgh—K. Solomon, Frick Annex, plans to build 3 story, 82 x 154 ft., rein.-con., concrete and brick garage, rein.-con. flooring, concrete foundation, at 513-523 Water St. About $125,000.

Del., Wilmington—Electric Hose & Rubber Co., 12th and Dure Sts., soon lets contract building 2-story, 63 x 210 ft. brick and rein.-con. factory, pipe and cement flooring, concrete foundation. About $60,000. Brown & Whiteside, Dupont Bldg., archts.

Md., Crisfield—C. D. Briddell having plans prepared by W. C. Carter, archt., Crisfield, for 1 story, 50 x 100 ft., brick or rein.-con. factory, rein.-con. flooring.

S. C., North Charleston—General Asbestos & Rubber Co. having plans prepared by Lockwood, Greene & Co., archts., Healey Bldg., Atlanta, Ga., building 600 k.w., rein.-con. and steel power plant, rein.-con. flooring, concrete foundation. About $75,000.

Ga., Buford—Bona Allen, Inc., plans to build 4 story, 45 x 200 ft. shoe factory. Lockwood, Greene & Co., Healey Bldg., Atlanta, engrs.

Ga., Savannah—Reliance Fertilizer Co., 106 Bay St., having plans prepared by Lockwood, Greene & Co., engrs., Healey Bldg., Atlanta, building rein.-con. fertilizer factory. About $100,000.

Fla., Tampa—McElroy Eng. Co., engrs., Giddens Bldg., soon receives bids building sugar mill, including 20 mi. tramway. About $800,000. Owners' name withheld.

Ky., Henderson—Henderson Cotton Mills having plans prepared by Lockwood, Greene & Co., engrs., Healey Bldg., Atlanta, Ga., building 2500-kw. steam plant, brick and concrete, rein.-con. flooring and concrete foundation. About $300,000.

O., Cleveland—L. C. Banderlean, Arlington Ave., having plans prepared by W. R. Powell, archt., 705 Rose Bldg., for 1 story, 60 x 93 ft., brick, steel and concrete garage on Arlington Ave. About $75,000.

O., Cleveland—M. Bealls, 2711 Scoville Ave., had plans prepared by A. Sogg, archt., 10106 Pierpoint Ave., building, 1 story, 36 x 90 ft., brick and timber addition to factory. About $25,000.

O., Cleveland.—Beckman Co., Fulton Rd., having preliminary sketches prepared by Lockwood, Greene & Co., engrs., 38 South Dearborn St., Chicago, Ill., building 2 story, brick and rein.-con. weaving factory on Fulton Rd. About $175,000.

O., Cleveland—Forbes Chocolate Co., 5100 Superior Ave., plans to build brick, steel and rein.-con. candy factory, rein.-con. flooring and concrete foundation, on Ridge Rd. and Dennison Ave. About $250,000.

O., Cleveland—Ohio Blower Co., West 93rd St. and Detroit Ave., plans to build 2 story brick, steel and concrete addition to factory. About $25,000.

O., Dayton—Dayton Fan & Motor Co., South Ludlow and Bayard St., having preliminary plans prepared building factory, with 100,000 ft. floor space. About $175,000.

Mich., Detroit—Amer. Blower Co., 1400 Russell St., purchased 20-acre site along Detroit Terminal R.R. tracks near Gratiot and Grinnell Aves., and plans to build plant. About $750,000.

Mich, Detroit—J. G. Kastler & Co., archts., 523 Chamber of Commerce Bldg., soon let contract for 2 story, 120 x 150 ft., brick and steel foundry, concrete flooring and concrete foundation, for Lokonsky Bros., Dubois St. and East Grand Blvd.

Mich., Detroit—C. R. Wilson Body Co., Clay Ave., having plans prepared by Esselstyn, Murphy & Hanford, archts., New Telegraph Bldg., for rein.-con. factory, rein.-con. flooring; also 2 story rein.-con. addition to present factory. About $450,000. Noted Mar. 6.

Mich., Dowagiac—Ruddy Furnace Co. plans to build 50 x 200 ft. addition to foundry. A. E. Rudolph, pres.

Mich., Highland Park (Detroit P. O.)—See "Buildings."

Mich., Jackson—Frost Gear & Forge Co., Horton and Tyson Sts., plans to build 75 x 150 ft. steel and concrete addition to factory.

Mich., Marquette—City plans to enlarge electric light plant. About $100,000.

Mich., Three Rivers—Eddy Paper Co., White Pigeon, plans to build plant here. About $1,750,000.

Ill., Alhambra—Alhambra Grain & Feed Co. plans to build grain elevator. About $25,000. A. Gerbig, pres.

Ill., Chicago—Morris & Co., Union Stock Yards, having plans prepared by D. D. Meredith, archt., c/o company, for 7 story rein.-con. building to replace one recently destroyed by fire.

Ill., East St. Louis—Durbin Automatic Train Pipe Connector Co., Terminal Belt R.R. and Bond Ave., plans to build 100 x 300 ft. addition to iron foundry. V. S. Durbin, pres. and engr.

Minn., Mankato—Eckman Bros. soon lets contract building 2 story, 30 x 50 ft. garage, 17 x 40 ft. office, 10 x 15 ft. stockroom and 50 x 88 ft. workshop, rein. con. and brick. About $30,000. H. C. Gerlach, Mankato, archt. Noted Feb. 27.

Kan., Hutchinson—Merchants Transfer Co., having plans prepared by Mann & Gerow, archts., building 3 story, 108 x 152 ft. warehouse. About $75,000.

Kan., Moundridge—Unruh & Schlender having plans prepared by C. W. Shaver, archt., Saline, for 1 story, 50 x 100 ft. brick garage.

Neb., Omaha—Higgins Packing Co., 1315 Woodmen of World Bldg., soon lets contract building 3 story, 50 x 100 ft., rein.-con. and brick, at 4701 South 37th St. J. H. Craddock, 504 Farnum Bldg., archt.

N. D., Fargo—City election Apr. 1, to vote on $150,000 bonds to build light plant. F. L. Anders, city engr.

N. D., Jamestown—City election Apr. 7, to vote on bonds to build light and power plant.

N. D., Williston—Williston Farmers' Creamery & Produce Co. plans to build creamery. About $30,000.

Mo., St. Louis—McQuay Norris Mfg. Co., 2808 Locust St., having plans prepared building two or three 1 story brick factories and power plant near Oak Hill R.R. tracks and Cooper St. A. J. Mummert, 2808 Locust St., engr. Noted Feb. 20.

Tex., San Angelo—City election Mar. 29 to vote on $500,000 bonds to purchase or build electric-light and water plant.

Idaho, Caldwell—J. L. Bardsley Implement Co., Railroad St., plans to build warehouse. About $75,00.

Idaho, Caldwell—B. M. Holt Seed & Feed Co., 307 Main St., plans to build grain elevator. About $100,000.

Ore., Molalla—Molalla Fire Clay Co. plans to build 1 kiln pottery factory on 32 acre site northwest of here. B. S. Sinoheimer, secy.

Cal., Los Angeles—See "Buildings."

N. S., Springhill—Dominion Coal Co., Glace Bay, having plans prepared for turbo compressor plant here. About $200,000. R. Gordon, secy.

Que., East Angus—Brompton Paper & Pulp Co., having plans prepared by D. J. Spence, archt., 246 Beaver Hall, Montreal, for extension to plant. About $60,000.

Que., Montreal—Belgo Canadian Co., 243 Bleury St., had plans prepared by D. J. Spence, archt., 246 Beaver Hall, for 2 story, 50 x 100 ft., rein.-con. garage, rein.-con. flooring. About $80,000.

Industrial Works (Continued)

Que., Montreal—Dominion Glass Co., 285 Beaver Hall, having plans prepared build ing 80 x 200 ft. factory, 40 ft. high, on Wellington St. to replace one recently destroyed by fire. About $100,000.

Que., Three Rivers—Wabasso Cotton Co., St. Maurice St., having plans prepared by D. J. Spence, archt., 246 Beaver Hall, Montreal, for addition to cotton mill. About $100,000. Noted Dec. 19.

Ont., Cobourgh—Hydro Electric Comn., 226 Yonge St., Toronto, had plans prepared building planing mill. About $30,000.

Ont., Cornwall—A. C. Robertson, Pitt St., had plans prepared for building garage. About $30,000.

Ont., Guelph—Premier Rubber Co. having plans prepared building 4 story shoe factory. About $150,000.

Ont., Kitchener—Kaufman Rubber Co., 419 King St. W., plans to build addition to plant. About $40,000. A. R. Kaufman, mgr.

Ont., London—Holeproof Hosiery Co., 186 King St., receives bids about Apr. 1, building 4 story, 150 x 200 ft. rein.-con. and steel factory, concrete foundation, on Bathurst St. About $250,000. Noted Sept. 19.

BIDS DESIRED

N. Y., Brooklyn—Until Mar. 14, by D. C. Cooley & Co., archts., 41 Park Ave., New York City, building 3 story, 45 x 60 ft., brick and steel addition to bakery, concrete foundation, for B. A. Cushman, Inc., 772 Nostrand Ave. About $50,000.

N. Y., Brooklyn—Until Mar. 20, by Shampan & Shampan, archts., 772 Bway., building 1 story, 90 x 200 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on North 1st St. near Bedford Ave., for Lurwall Realty Co., 49 Graham Ave. About $55,000. Noted Jan. 30.

N. Y., New York—Until Mar. 28, by N. W. Levitan, archt., 7 West 45th St., for 2 story, 100 x 171 ft., brick garage, rein.-con. flooring, concrete foundation, on Lenox Ave. between 110th and 111th Sts., for Stalwart Realty Co., c/o Ames & Co., 26 West 31st St. New West Side Garage Corp., lessee. Noted Feb. 27.

N. Y., Watertown—Until Mar. 20, by Northern New York Utilities Inc., Light and Power Bldg., for 1-story rein.-con. addition to existing generating plant at Effley Falls, consisting of 30 x 38 ft. rein.-con. power house, 120 ft. of 7½ ft. steel penstock, revamping present dam, etc. J. B. Taylor, pres. Noted Mar. 6.

N. J., Newark—Until Mar. 24, by P. B. Taylor, archt., Essex Bldg., building 1 and 2 story, 140 x 168 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, at 238 Wilson Ave., for Amer. Oil & Supply Co., 52 Lafayette St. About $100,000. W. F. Hofman, treas. Noted Feb. 20.

Que., Quebec—Until Apr. 1, by I. De Vorennes, 279 St. Joseph St., building garage. About $35,000. I. A. Burgeson, 1031 St. John St., archt.

Ont., Sydenham—Until Mar. 21 (change of date) by Dept. Pub. Wks., Ottawa, for altering and building additions to military hospital here, same to be converted into power house, etc. About $75,000. R. C. Wright, Dept. Pub. Wks., archt. Noted Mar. 6 under "Buildings."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Adams**—R. Graves, 132 Commercial St., let contract building 3 story, 50 x 150 ft. brick garage, rein.-con. flooring, concrete foundation, on Columbia St., to D. S. McGrath, Summer St. About $50,000.

★**R. I., Providence**—Marine Eng. & Drydock Co., 170 Westminster St., let contract building 1 story, 60 x 303 ft. brick and timber machine shop and office, rein.-con. flooring and concrete foundation on Allens Ave., to Interstate Constr. Co., 29 Weybosset St. About $85,000. Owners originally planned to build by day labor, but later gave contract to above mentioned firm. Noted Jan. 16.

★**Conn., Bristol**—New Departure Mfg. Co., 269 North Main St., let contract building 1 story, 90 x 302 ft. brick hardening shop, rein.-con. flooring and concrete foundation, on North Main St., to Torrington Bldg. Co., 197 Water St., Torrington. About $60,000. Noted Jan. 30.

★**Conn., Hartford**—J. J. Roche Co., Maple Ave. and White St., let contract building two 3 story, 50 x 125 ft. brick factories, rein.-con. flooring and concrete foundation, on Maple Ave., to Ellison Constr. Co., 60 Prospect St. About $50,000.

★**N. Y., Brooklyn**—Belgian Fur Dyeing Co., 321 Manhattan Ave., will build 3 story, 68 x 98 ft. brick and steel factory, rein.-con. flooring and concrete foundation, at 566 Johnson Ave. Work will be done by day labor. About $35,000. Noted Feb. 27.

★**N. Y., Long Island City**—Englander Spring Bed Co., 88-35th St., let contract building 2 story, 200 x 200 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on Johnson, Stewart and Varick Sts., to Rosenthal Eng. Contg. Co., 228 Jackson Ave., Brooklyn. Noted Feb. 6.

N. Y., Thiells—F. A. Vanderlip, pres. bd. mgrs. Letchworth Village, 7 Wall St., New York, received bids Mar. 4, (1) building addition to central heating plant, (2) building underground distributing piping in female group tunnel (3) furnishing steam heating plant equipment, from G. B. Wright Co., Gromerville, (1) $32,200; P. Keeler Bldg. Co., 425 Orange St., Albany, (1) $37,880; Winters Bros., New York City, (1) $37,930; Kelly & Keeley, Inc., 12th St., Long Island City, (1) $39,500; Almirall & Co., Inc., 1 Dominick St., New York City, (2) $29,242 (3) $59,421; Baker, Smith & Co., Inc., 576 Greenwich St., New York City, (2) $29,950, (3) $61,500; J. C. Williams, Inc., 233 Bway., New York City, (2) $30,277, (3) $60,970; Lord Constr. Co., 105 West 40th St., New York City, (2) $31,027, (3) $63,937; G. E. Eng. Co., 417 Canal St., New York City, (2) $33,185, (3) $76,376; Austin Heating Corp., New York City, (2) $34,635; Adams Brittz & Co., Inc., 1761 Park Ave., (2) $35,385 (3) cost and 10% overhead and 10% profit. Cleghorn Co., 54 Batterymarch St., Boston, Mass., (2) $40,519; E. Joy Co., 133 Market St., Syracuse, (2) $45,000, (3) $97,330; Merrill Co., (3) $46,984; Howe & Bassett Co., 23 Stillson St., (3) $81,990. Noted Jan. 16.

★**N. J., New Brunswick**—Eastern Potash Co., 120 Bway., New York City, will build plant consisting of ten 1 and 3 story, steel and brick buildings, rein.-con. flooring, concrete foundation, here. About $2,000,000. Work will be done by day labor.

★**Pa., Scranton**—Heath Silk Co. let contract building 3 story, 50 x 170 ft. brick mill on Maple St. and Meadow Ave., to P. Stipp, 327 North Washington Ave.

★**O., Cleveland**—Glatrou-Silver Co., 727 Bolivar Rd., let contract building 3 story, 40 x 80 ft., brick and concrete warehouse and store, to A. A. Lane, 1836 Euclid Ave. About $75,000.

★**O., Cleveland**—Home Specialty Co., 1051 Power Ave., let contract building 2 story, 80 x 160 ft., brick, steel and concrete factory, rein.-con. flooring and concrete foundation, on East 152nd St. and Woodworth Ave., to S. W. Emerson, 1900 Euclid Ave. About $75,000.

★**O., Cleveland**—Sterling Spring Co., 2148 Scranton Rd., let contract building 1 story, 100 x 150 ft., brick, steel and concrete factory, rein.-con. flooring and concrete foundation, to S. W. Emerson, 1900 Euclid Ave. About $30,000.

★**Mich., Battle Creek**—Nichols & Shepard let contract building 2-story, rein.-con. boiler plant, rein.-con. flooring, concrete foundation, to Westinghouse, Church & Kerr, 37 Wall St., New York City. About $120,000.

★**Mich., Detroit**—Holley Carburetor Co., 145 East Willis St., let contract building 1 and 2 story, 60 x 224 ft. and 40 x 94 ft. factory and 23 x 44 ft. boiler house, brick and rein.-con., rein.-con. flooring and concrete foundation on Epworth Blvd., to O. Misch, 725 Chamber Commerce Bldg. Noted Feb. 27.

★**Mich., Detroit**—Morgan & Wright Tire Co., foot Bellevue St., let contract building 7 story, 140 x 215 ft. brick and rein.-con. warehouse, rein.-con. flooring and concrete foundation, to Bryant & Detweiler Co., 2336 Dime Bank Bldg. About $700,000. Noted Feb. 20.

★**Ill., Chicago**—Bankers Supply Co., 2251 South Park Ave., let contract building 1 story, 100 x 370 ft. mill construction printing plant, concrete foundation on State and 59th Sts., to J. Rodatz, 209 South La Salle St. About $120,000. Noted Feb. 13.

★**Mo., St. Louis**—Chester Knitting Mill Co., 416 South 4th St., let contract building 1 story, 50 x 100 ft., brick and rein.-con. addition to mill at 3864 Laclede Ave., to Woermann Constr. Co., Century Bldg. About $25,000.

★**Wash., Seattle**—Bekins Moving & Storage Co., 12th and Madison Sts., let contract building 6 story, 50 x 200 ft., concrete warehouse, rein.-con. flooring, to Ferro Concrete Co., Empire Bldg. About $100,000.

★**N. B., St. Leonard Station**—Canadian Government Ry., Ottawa, Ont., let contract building 2 stall timber engine house, concrete foundation, to H. Post, Woodstock. About $25,000; actual cost, plus 10%.

★**Que., Temiskaming**—Kipawa Fibre Co., 355 Beaver Hall Sq., Montreal, let contract for sulphite mill and extension to power house here, to G. Fuller Co., Ltd., 45 St. Alexander St., Montreal. About $1,016,000. Noted July 18.

★**Ont., London**—McClary Mfg. Co., 333-343 Wellington St., let contract building addition to stove plant, to W. Insel, c/o owner. About $40,000. Noted Nov. 21.

★**Ont., Port Arthur**—Ontario Hydro Electric Comn. plans to build 1-story, 100 x 200 ft. rein.-con. and brick power station, with 50,000 hp. capacity, on Nipigon River, near here. Work will be done by day labor. Noted Mar. 6.

Buildings

PROPOSED WORK

Mass., Boston—Office—Park Sq. Real Estate Co., having plans prepared by Dinsmore & LeClear, archts., 88 Broad St., for 10 story, 75 x 600 ft. rein.-con., rein.-con. flooring and concrete foundation, on Park Sq.

Mass., Cambridge—Fire House and Police Station—City rejected bids for remodeling 3 story brick, steel and concrete, concrete flooring on Central Sq. About $85,000. Work will be refigured. C. H. Blackall, 20 Beacon St., Boston, archt. Noted Jan. 23.

Mass., Natick—Housing—Northway Motors Co. plans to build one hundred 1½ story, 28 x 38 ft. brick and concrete residences, macadamized roads, concrete walks and curbs, sewers, etc. About $500,000. J. J. Smith, Old South Bldg., Boston, archt.

Mass., Taunton—Church—Immaculate Conception congregation receives bids about Apr. 1, building 2 story, 45 x 80 ft. brick and concrete, concrete foundation on Bay St. About $50,000. M. J. Reilly, pastor.

R. I., Providence—Dormitory—Women's College of Brown University, 172 Meeting St., receives bids about Apr. 1, building 4 story brick, steel and concrete dormitory, concrete foundation, to include reading, recreation and dining rooms. About $150,000. L. S. Ping, dean. Andrews, Jacques & Jones, 50 Congress St., Boston, archts.

R. I., Providence — Hospital — Rhode Island Hospital, Eddy St., receives bids about May building 3 story brick, steel and rein.-con. addition, rein.-con. flooring and concrete foundation. About $100,000. K. Taylor & Co., Federal St., Boston, Mass., archts.

R. I., Woonsocket — Theatre — Social Amusement Co., c/o W. F. Fontaine, archt., Federal Bldg., having plans prepared for moving picture theatre on Cumberland St. About $50,000.

Conn., Bridgeport—Hotel—H. Frank, 426 Boston Ave., plans to build 4 story 85 x 112 ft. brick, concrete foundation on Broad and Liberty Sts. About $80,000. E. B. Caldwell, Jr., 886 Main St., archt.

Conn., Bridgeport—Hotel—H. E. Frank, 426 Boston Ave., purchased site on Washington Ave. and Coleman St. and plans to build 4 or 6 story. About $200,000.

Conn., Bridgeport—Memorial—Chamber Commerce plans to construct building to be known as Liberty Memorial Bldg. About $750,000. Address W. T. Hincks, member of com.

Buildings (Continued)

Conn., Bridgeport—School—St. Michaels Polish congregation, 310 Sterling St., plans to build 3½ story brick, steel and concrete, rein.-con. flooring and concrete foundation on Sterling St. About $125,000. A. Piglewski, pastor.

Conn., Danielson—Recreation—St. James congregation receives bids in fall building 4 story, 70 x 100 ft. brick, steel and rein.-con., concrete foundation. About $60,000. W. H. Cox, 53 State St., Boston, Mass., archt.

Conn., Milford—Memo. a.—Town plans to construct memorial building, to include armory, community hall, auditorium and club house. About $100,000. Address M. J. Cheney, 8 Green St.

Conn., New Haven—Hotel—H. A. Leonard, 902 Chapel St., receives bids about May 15, building 10 story, 150 x 190 ft., brick and steel apartment hotel, rein.-con. flooring, concrete foundation, on College and Chapel Sts. About $250,000.

Conn., New London—Theatre—H. R. Brewster, archt., 295 East 17th St., Brooklyn, N. Y., receives bids in April building 3 story, 70 x 165 ft., brick and concrete, rein.-con. flooring, concrete foundation, on Bank St., for C. J. Ducy, Methodist St. About $75,000. Noted Jan. 16.

Conn., Newtown—High School—Town plans to build memorial high school. About $100,000. E. O. Grisbrook, chn. com.

Conn., Torrington—Church—Polish Congregation Society plans to build on Union St., brick. About $75,000. Address A. Krukor, Torrington.

Conn., Torrington—Club House—I. O. R. M., Mohawk Tribe, Main St., plans to build on Main and East Main Sts. About $60,000.

Conn., Wethersfield — Library — Town plans to build library on Main St. and Hartford Ave. About $50,000. Address A. W. Hanmer, 71 Main St.

N. Y., Buffalo—Community House—Lafayette Presbyterian congregation, Lafayette and Elmwood Ave., plans to build memorial community house adjoining church. About $150,000. E. D. Emerson, 587 Ashland Ave., chn. finance com.

N. Y., Cortland—Normal School—State Legislature Capitol, Albany, petitioned to appropriate $600,000 to rebuild school here. T. E. Finegan, Capitol, Albany, comr. state bd. educ.

N. Y., New York—Store and Loft—S. B. Eisendrath, archt., 18 East 41st St., soon lets contract building 6 story, 49 x 100 ft., brick and steel, concrete foundation, at 255-257 5th Ave., for Musher & Co., 140 Liberty St. About $80,000.

N. Y., Salisbury—Hospital—Bd. Supervs., Herkimer Co. (Herkimer), having plans prepared for brick and concrete tuberculosis hospital on Heller site here, ½ mi. from Salisbury Center. Election soon to vote on $150,000 bonds for project.

N. Y., Syracuse—Memorial Hall—Chamber of Commerce plans to build memorial hall. About $250,000. C. A. Chase, 111 Wyoming St., chn. executive com.

N. Y., Wards Island—Dining Room—State Hospital Comn., Capitol, Albany, received bids Mar. 4, building 3 story, 22 x 114 ft., brick, steel and concrete, rein.-con. flooring, concrete foundation, at State Hospital here, from Faillace Bros., 7 East 42nd St., New York City, $97,630; Carleton Co., Longacre Bldg., New York City, $103,858; C. L. Dooley, Inc., 257 Adelphi St., Brooklyn, $105,700. Noted Feb. 13.

N. J., Soho—Tuberculosis Hospital—Bd. Freeholders Essex Co., Newark, having preliminary plans prepared by R. W. Erler, archt., 45 Clinton St., building here.

N. J., Union Hill—School—Bd. Educ. receives bids in April building 3 story, 105 x 192 ft., brick and steel, concrete foundation, on Hudson Ave. between 1st and 2nd Sts. About $200,000. J. Lugosch, 21 Bergenline Ave., archt. Noted Jan. 16.

N. J., West Orange—Civic Center—City plans to construct civic center building between Valley Rd. and Fairmount Ave., to be known as Liberty Hall. About $100,000.

Pa., Juniata—College—Juniata College having sketches prepared by G. E. Brumbaugh, archt., Real Estate Trust Bldg., Phila., for group of college buildings here to include auditorium, etc.

Pa., Phila.—Office—Finance Co. of Pennsylvania, 1420 South Penn Sq., plans to build 21 story office building. About $1,500,000. G. H. Earle, Jr., pres.

Md., Baltimore — Church — Emmanuel Protestant Episcopal congregation, Cathedral and Read Sts., had plans prepared by W. Ritter, archt., Cambridge, Mass., for 1 story, 25 x 65 ft. steel and stone addition to church, stone and concrete foundation, with 133 ft. tower. About $125,000. H. D. Harlan, 9 West Biddle St., chn. bldg. com.

S. C., Elk Point—Church—St. Joseph congregation soon lets contract building 1 story, 50 x 143 ft. brick and stone. About $60,00. F. R. Salmon, pastor. W. L. Steele, 502 United Bank Bldg., Sioux City, Ia., archt.

Ga., Bibb City—School—Bibb Mfg. Co., Main St., Macon, soon lets contract building 2 story, brick school and auditorium here. About $50,000.

Ga., Dublin—Schools—Bd. Educ. plans to issue $50,000 bonds to enlarge and improve various schools.

La., New Orleans—Hospital—City having plans prepared by E. A. Christy, archt., City Hall, for 3 story, rein.-con., steel and brick, rein.-con. flooring, concrete pile foundation, on Tulane and Carr Ave. About $200,000.

O., Cincinnati—Home Financing Co., 1209 Union Commercial Bank Bldg., having plans prepared for 8 story, brick, steel and concrete freight terminal, warehouse and storage plant, on Smith and Mill Sts. About $3,000,000. A. M. Allen Co., 1900 Euclid Bldg., engrs.

O., Cincinnati—School—Bd. Educ. received bids building Hoffman school, 2 story brick, on Bloody Run Blvd., from D. Meinken Co., 2126 Western Ave., $318,857; Ohio Bldg. & Constr. Co., Burnet Ave., $333,500; David Cordon Bldg. & Constr. Co., Burnet Ave., $337,554.

O., Cleveland—Bank and Office—Cleveland Federal Reserve Bank, Williamson Bldg., plans to build 10 or 12 story, 150 x 200 ft. on East 6th St. and Superior Ave. About $1,550,000.

O., Cleveland—Commercial Warehouse Co., 250 Arcade Bldg., had preliminary plans prepared by Fulton & Taylor, archt., 631 Hippodrome Annex, for 10 story, brick steel and concrete warehouse on Abbey Ave. About $1,500,000.

O., Cleveland—Sales and Office—Automobile Hospital Co., 2076 East 22nd St., plans to build 65 x 150 brick, steel and concrete. About $75,000.

O., Cleveland—Salesroom—Paul Bros. Co., Citizens Bldg., having preliminary plans prepared by W. S. Ferguson Co., archts., 1900 Euclid Ave., building 3 story, 99 x 133 ft. on East 18th St. near Euclid Ave. About $115,000.

O., Cleveland—School—Bd. Educ. plans to build 1 story, brick, steel and concrete school on Miles Ave., and 1 story addition to school on Warner Rd. Cost $100,000 each. W. R. McCormack, East 6th St. and Rockwell Ave., archt.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., plans to build 2 story, brick, steel and concrete on West 20th St. and Spring Rd. About $75,000. W. R. McCormack, East 6th St. and Rockwell Ave., archt.

O., Dayton—Commercial—Gem City Bldg. and Loan Assn., 12 North Main St., plans to build 1 story, 37 x 110 ft. steel and concrete, rein.-con. flooring and concrete foundation, by Schenck & Williams, archts., Mutual Home Bldg.

O., Dayton—Office—Refiners Oil Co., 515 South Main St., plans to build 3 or 4 story.

Mich., Detroit—Office—Buhl Malleable Co., Wight and Adair Sts., had plans prepared by Smith, Hinchman & Grylls, archts., 1318 Book Bldg., for 3 story, 34 x 82 ft. brick, rein.-con. and steel rein.-con. flooring and concrete foundation. About $50,000.

Mnch., Highland Park (Detroit P. O.)—Hospital—City recives bids about May 1, building 4 story, 48 x 138 ft. brick and rein.-con. hospital, with 48 x 54 ft. wing, also 2 story, 32 x 60 ft. power and heating plant. About $300,000. M. J. Stark, 111 South Michigan Ave., Chicago, archt. Noted June 20.

Ill., Chicago—Hotel—J. A. Tarsney, archt., 108 South La Salle St., receives bids about Mar. 25, building 9 story, 56 x 96 ft. brick and rein.-con. addition, rein.-con. flooring and concrete foundation on Clarendon and Windsor Aves., for Blackwood Hotel Co. About $250,000.

Ill., Forest Park (Oak Park P. O.)—Theatre and Stores—A. Harris, 35th and Iron Sts., Chicago, having plans prepared by H. L. Newhouse, archt., 4630 Prairie Ave., Chicago, for 1 story, 120 x 200 ft. brick and timber, brick foundation, on Madison and Des Plaines Sts., here. About $80,000.

Ia., Sioux City—Hotel—Purslow Estate, c/o L. B. Longnecker, 914 Jones St., plans to build 18 story, 150 x 150 ft., rein.-con., brick and steel, rein.-con. flooring and concrete foundation on 5th and Nebraska Sts. About $1,000,000.

Ia., Sioux City—Hotel—War Eagle Corporation, 507 Trimble Blk., plans to build 8 story, 150 x 200 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation on 6th and Pierce Sts. About $750,000.

Minn., Duluth—School—Bd. Educ., Glencoe Bldg., having plans prepared by Croft & Boerner, archts., Lonsdale Bldg., building 2 story, rein.-con. grade school, rein.-con. flooring, concrete foundation on Bayview Heights. About $60,000.

Kan., Lawrence—High School—Bd. Educ. plans election to vote on $250,000 bonds to build memorial high school. R. A. Kent, supt.

Kan., McPherson—Hospital—McPherson Co. having plans prepared by Mann & Gerow, archts., Hutchinson, for 4 story, 44 x 155 ft. brick and stone, concrete foundation. About $100,000. A. J. Cederholm, co. clk. Noted Jan. 30.

Kan., Salina—School—Sisters of St. Joseph plan to build brick and rein.-con. girls school. About $300,000.

Kan., Wellington — Auditorium — City plans election in April to vote on $150,000 bonds to build 2 story brick, stone, concrete and steel auditorium. C. Boller & Bros., archts., Kansas City, Mo., preparing plans. About $150,000.

Kan., Wichita—Hotel—Wichita Union Stockyards Co., Stockyards Exch. Bldg., having plans prepared by E. R. Meier, archt., for 3 story rein.-con. and brick, cement flooring, concrete foundation, on 21st St. About $75,000. D. C. Smith, mgr.

Neb., Falls City—Bank and Temple—Richardson Co., State Bank and Masonic Bldg. Assn. having plans prepared by Fiske & Meginnis, archts., 533 Bankers Life Bldg., Lincoln, for 3 story, 50 x 113 ft., rein.-con. and brick. About $100,000.

Neb., Lincoln — Church — Westminster Presbyterian congregation having plans prepared by J. R. Smith, archt., 406 Nebraska State Bank Bldg., for 2 story, 38 x 98 ft., rein.-con. and brick on 23rd and Garfield Sts. About $110,000. R. A. Lyman, chn. bldg. com.

S. D., Watertown—High School—Bd. Educ. receives bids in spring, building brick, concrete and stone on 1st Ave. S. E. About $300,000.

N. D., Walhalla—Farmers Seed Potato Growers Assn. plans to build 2 story 70 x 130 ft. tile warehouse, 100,000 bushel capacity.

N. D., Williston—Hospital—Wittenberg Hospital Assn. plans to build hospital here. About $50,000.

Mo., Brookfield—School—Bd. Educ. having plans prepared by M. Martin, archt., Hannibal, for rebuilding brick and stone school recently destroyed by fire. About $60,000.

Mo., Columbia—Dormitory—Knights of Columbus plan to build brick and stone dormitory to include 25 rooms, hall, etc. About $50,000.

Mo., Ozark—Court House—Christian Co. plans election to vote on $90,000 bonds to build court house. About $10,000 subscribed to aid project.

Mont., Harlowton—School—City will sell $50,000 bonds Mar. 24, to build school.

Mo., St. Louis—High School—Bd. Educ. purchased site on Louisiana Ave. and Arsenal St. and plans to build 3 story, brick and concrete, rein.-con. flooring and con-

Buildings (Continued)

crete foundation. R. M. Milligan, 600 Bd. Educ. Bldg., archt.

Mo., Kansas City—Mausoleum—Kansas City Mausoleum Co. having plans prepared by S. Lovell, archt., 30 North Michigan Ave., Chicago, for 3 story rein.-con. on 20,000 sq.ft. site here. About $500,000.

Tex., Dallas—Schools—City election Apr. 1 to vote on $750,000 bonds to build schools. G. D. Fairtrace, city engr.

Okla., Blackwell—Hotel—Blackwell Hotel Co. having plans prepared by L. H. Bailey, archt., 1214 North Oklahoma St., Oklahoma, for 4 story, 100 x 140 ft., rein.-con. and brick.

Okla., Durant—High School—City election about Mar. 22 to vote on $120,000 bonds to build high school.

Okla., Enid—Schools—Bd. Educ. soon receives bids building 2 story, 70 x 140 ft. rein.-con. and brick grade school, cost $110,000; also 3 story, 64 x 125 ft. rein.-con. and brick addition to high school, $100,000. R. W. Shaw, Beck Bldg., archt.

Okla., Enid—Theatre—G. H. Harryman, 113 West Pine St., plans to build 50 x 150 ft., brick and stone, on Independence St. About $50,000.

Okla., Oklahoma—Office—Sterling Refining Co., 319 Mercantile Bldg., plans to build 2 story, 50 x 50 ft. marble and brick. About $50,000.

Okla., Ponca City—Church—Christian congregation having plans prepared by Layton & Smith, archts., 701 Southwest Reserve Bank Bldg., Oklahoma, for 2 story, 70 x 150 ft., brick and stone on 5th and Grand Aves. About $50,000.

Okla., Ponca City—School—Bd. Educ. having plans prepared by Layton & Smith, archts., 701 Southwest Reserve Bank Bldg., Oklahoma, building 1 story, brick and stone. About $60,000.

Okla., Tulsa—Church—Trinity Episcopal congregation plans to build. About $150,000.

Idaho, Idaho Falls—Court House—Bonneville Co. election June 3, to vote on $275,000 bonds to build court house here.

Ore., Eugene—University—University of Oregon having plans prepared by E. F. Lawrence, dean, for constructing woman's building adjacent to Hendricks Hall. About $125,000. Noted Feb. 27.

Ore., Heppner—Hotel—Heppner Hotel Co. and Heppner Impvt. Co. having plans prepared for 80 x 100 ft.

Ore., Lakeview—Hotel—Commercial Hotel Co. having plans prepared by F. J. De Longchamps, archt., Lakeview, for large concrete building.

Ore., Marshfield—Armory—City plans to build armory. About $40,000 now available and $20,000 will be voted on under reconstruction bond issue election.

Ore., Oregon City—High School—Willamette, West Linn and Bolton School Dists. plan election to vote on $62,500 bonds to purchase site and build union high school. Bd. Educ. Dist. No. 3 in charge.

Cal., Los Angeles—Studio, etc.—Bonnie-Reed Film Mfg. Co., Niles, plans to build motion picture plant consisting of studios, offices, laboratories, warehouse, grand stands, power plant, etc., all frame and plaster construction, on Sunset Blvd. and Bronson Ave. About $1,000,000. Train & Williams, 225 Exch. Bldg., archts.

Cal., Visalia—Bank and Office—Natl. Bank of Visalia considering tentative plans for 4 or 5 story. About $200,000.

Que., Quebec—School—School Bd. purchased site on 13th St. near 1st Ave., and plans to build school. About $50,000. G. E. Tanguay, Quebec, archt.

Ont., Guelph—School—Bd. Educ. having plans prepared by S. B. Coon & Son, archts., Excelsior Bldg., Toronto, for school. About $50,000.

Ont., Mimico—Cottages—Dept. Pub. Wks., Toronto, plans to build 2 cottages at Hospital for Insane here. About $75,000. O. F. G. McDiarmid, minister.

Ont., Mimico—School—Town plans to build school. About $55,000. J. Kay, secy.-treas.

Ont., Ottawa—Store and Office—C. J. Booth having plans prepared by J. A. Edward, archt., Bootn Bldg., for 9 story, 100 x 190 ft. on Bank St., corner Slater St. About $700,00.

Ont., Weston—School—Town plans to build school. About $60,000 voted for project. Noted Jan. 9.

BIDS DESIRED

Conn., Fairfield—School—W. Schmidt, archt., 1188 Main St., Bridgeport, is receiving bids for 2 story, 62 x 96 ft. brick, concrete and steel, rein.-con. flooring and concrete foundation, for St. Thomas congregation, Boston Post Rd. W. J. Blake, pastor. About $65,000. Noted Jan. 16.

Conn., New London—Dormitory—Ewing & Chappelle, archts., 101 Park Ave., New York City, receiving bids building dormitory for Connecticut College for Women, Mohegan Ave. About $125,000. Noted Dec. 19.

N. Y., Brooklyn—Hospital—Until Mar. 17, by Carlson & Wiseman, archts., 226 Henry St., for 4 story, 75 x 100 ft., brick and steel, concrete foundation, on Bushwick Ave. and Cedar St., for Bushwick Maternity Hospital, 761 Bushwick Ave. About $70,000. Former bids rejected. Noted Feb. 20.

N. Y., Huntington Park (Huntington P. O.)—Museum—Until Mar. 18, by Maynicke & Franke, archts., 25 East 26th St., New York City, building 1 story, 44 x 113 ft., limestone and marble, here, for A. Heckscher, 56 East 42nd St., New York City. About $100,000. Noted Jan. 30.

N. Y., New York—Dormitory—Until Mar. 19, by B. S. Coler, comr. pub. charities, building and repairing in male dormitory, on Randalls Island.

N. Y., New York—Hospital—Until Mar. 14, by B. S. Coler, comr. pub. charities, building and repairing in Woodside Bldg., on Randalls Island.

N. Y., New York—Theatre—Until Mar. 18, by H. J. Krapp, archt., 114 East 16th St., building 2 story, 189 x 213 ft., brick and steel, concrete foundation, at 4827 Bway., for City Real Estate Co., 176 Bway. About $100,000. B. Cleveland, pres. Noted Feb. 20.

Pa., Phila.—Comfort Building, etc.—Until Mar. 17, by Dept. Pub. Wks., City Hall, constructing group of 1 story, rein.-con., brick and timber buildings, rein.-con. flooring, concrete foundation, at League Island Park to include comfort building, stable, yard, superintendent's quarters, boat house and band stand. About $250,000. R. E. White, Pennsylvania Bldg., archt.

W. Va., Montgomery—High and Grade Schools—Until May 1, by Bd. Educ., building 2 story 88 x 144 ft. brick high school also 45 x 82 ft. grade school. Cost, $80,000 and $20,000 respectively. A. F. Wysong, Princeton, archt.

La., Edgard—Church—Until Mar. 31, by St. John Baptist congregation building 55 x 135 ft. brick and concrete. About $60,000. J. B. Favrot & Livaudais, Title Guarantee Bldg., New Orleans, archts. Noted June 13.

O., Columbus—Bank and Office—Until Apr. 3, by F. L. Packard, archt., Hayden Bldg., building 6 story 25 x 96 ft., concrete and brick, concrete foundation, on High and East Main Sts., for Franklin Loan and Savings Co., 347 South High St. About $100,000. Noted Mar. 6.

O., Dayton—Bank and Office—Until Mar. 23, by Pretzinger & Musselman, archts., Reibold Bldg., for 6 story, 45 x 70 ft. rein.-con. addition, rein.-con. flooring, to Callahan Bank Bldg., 3rd and Main Sts. About $125,000.

Ill., Chicago—Grade School—Until Mar. 19, by Bd. Educ. for altering existing building and constructing 3 story, 105 x 120 ft. brick and timber addition to Darwin School, rein.-con. flooring and concrete foundation, on Edgewood and North Albany Aves. About $250,000. A. F. Hussander, 5 South Dearborn St., archt.

Mich., Detroit—Mercantile—Until Mar. 15, by A. Kahn, archt., Marquette Bldg., for 8 story, 40 x 100 ft. brick, rein.-con. and steel, rein.-con. flooring and concrete foundation, on Woodward Ave., for Heyn's Bazaar, 147 Woodward Ave. E. Heyn, pres. Noted Feb. 27.

Wash., Seattle—Hall—Until Apr. 4, by Regents University of Washington, building, grading and excavating for philosophy hall. About $200,000. Bebb & Gould, Securities Bldg., archt.

PRICES AND CONTRACTS AWARDED

★Indicates award of contract

★**Mass., Middleton**—Hospital—Essex Co. (Newburyport) let contract building 1 and 2 story, 40 x 600 ft. brick and concrete tuberculosis hospital, rock foundation, to C. E. Currier Co., 10 High St., Boston. About $500,000. Plans include power plant, administration and ward buildings.

Mass., Watertown (Middlesex P. O.)—School—Bd. Educ. received bids building 3 story brick, concrete foundation, from L. Mitchell, Milk St., Boston, $78,983; S. J. Kelley, Central Sq., Cambridge, $79,750.

★**R. I., Central Falls**—Church—Our Lady of Perpetual Help congregation, 310 High St., Pawtucket, let contract building 2 story, 50 x 100 ft. brick, here, to T. Walczak, Mill St. About $90,000.

★**R. I., Newport**—Memorial—Cushing Memorial, c/o Delano & Aldrich, archts., 126 East 38th St., New York City, let contract building 39 x 56 ft. stone and marble, on Bellevue Ave., to Central Bldg. Co., 58 Front St., Worcester, Mass. About $50,000.

★**Conn., Hartford**—Hotel—N. Carabillo, 5 Edwards St., will build 5 story, 46 x 128 ft. brick and steel, rein.-con. flooring and concrete foundation on Farmington Ave. About $80,000. Work will be done by day labor. Noted Feb. 20.

★**Conn., New Haven**—Hotel—DeBussey-Kusterer Co., 116 Church St., will build 6 story, 226 x 259 ft. brick, steel and concrete, rein.-con. flooring and concrete foundation at 239 Whitney Ave. Plans include garage, gymnasium and swimming pool. About $750,000. Work will be done by day labor.

★**N. Y., Brooklyn**—School—Bd. Educ., 500 Park Ave., New York City, let contract building P. S. 29, 5 story, 118 x 192 ft., steel and brick, concrete foundation, Henry and Harrison Sts., to Frymer & Hanna, 25 West 45th St., New York City, $463,960. Noted Feb. 20.

★**N. Y., Far Rockaway**—Theater—Far Rockaway Strand Theater, 47th St. and Bway., New York City, let contract building 1 story, 144 x 250 ft., brick and steel, concrete foundation, on Central Ave., to M. Shapiro, 52 Vanderbilt Ave., New York City. About $100,000. Noted Feb. 20.

★**Ga., La Grange**—Community House—International Cotton Mills let contract building 1 story, tile and stucco, including swimming pool and gymnasium to H. N. Marshall, Whaley St., Columbia, S. C. About $65,000. Noted Feb. 27.

★**O., Cleveland**—Hall—City let contract for concrete walls and fireproofing on proposed 6 story, concrete and steel public hall, on East 6th St. and Lakeside Ave. to Cleveland Fireproof Constr. Co., Anisfield Bldg., $80,285; total cost, $3,000,000. Noted Feb. 6.

★**O., Cleveland**—Office—D. R. Hanna, 511 Leader-News Bldg., let contract building 18 story, 199 x 210 ft., brick, rein.-con. and steel, rein.-con. flooring and concrete foundation, on East 14th St. and Euclid Ave., to J. Gill & Sons Co., 1301 Citizens Bldg. About $2,500,000. Noted Feb. 20.

★**O., Cleveland**—Store—See "Industrial Works."

★**Wis., Milwaukee**—High School—City let contract building Bay View High School to P. Riesens Sons Co., 1018 Humboldt St. About $50,000.

★**Ia., Sioux City**—Home—Comrs. Woodbury Co. let contract building 2 story, 60 x 180 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Bronson Rd., to W. F. Kucharo & Co., 622 Hubbell St., Des Moines, $87,880. Noted Feb. 13.

★**Kan., Hillsboro**—College—Tabor College let contract building 3 story, 90 x 132 ft. college and 1 story heating plant, brick and rein.-con., to M. J. Green, Manhattan. About $100,000. Noted Jan. 23.

★**Mont., Bozeman**—Bank—Commercial Natl. Bank, 40 West Main St., let contract building 4 story, 55 x 133 ft., brick and steel, concrete foundation, to Hoggson Bros., 485 5th Ave., New York City; cost plus percentage basis.

★**Ark., Blytheville**—Auditorium—City let contract building auditorium, to M. Seligman, Citizens Bank Bldg., Pine Bluff. About $50,000.

★**Okla., Pauls Valley**—High School—Bd. Educ. let contract building 2 story, 72 x 112 ft., rein.-con. and brick, to Manhattan Constr. Co., 3rd and Fondulac Sts., Muskogee, $54,985. Noted Feb. 6.

Que., Montreal—Central Y. W. C. A. received only bid constructing 4 story, 50 x 100 ft. rein.-con. and brick building, rein.-con. flooring and concrete foundation, on Dorchester St., from A. F. Byers & Co., University St. About $300,000. Noted Jan. 23.

Federal Government Work

PROPOSED WORK

R. I., Newport—Water Tanks—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to erect here; Spec. 3826. About $15,000.

Pa., Phila.—Fire Protection System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install in Navy Yard here; Spec. 3828. About $30,000.

Federal Government Work (Continued)

Pa., Phila.—Layout for Quartermaster Department—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans layout for Quartermaster's Dept., Marine Corps, Broad and Washington St. Yard. Local Navy Yard will receive bids; Spec. 3825.

D. C., Wash.—Grading—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to grade west extension of Navy Yard; Spec. 3830. About $8000.

Va., Norfolk—Cranes—Bureau yards and Docks, Navy Dept., Wash., D. C., plans to install in galvanizing plant; Spec. 3827. About $24,000.

W. Va., South Charleston—Officers Quarters—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 4 officers quarters here; Spec. 3829. About $65,000.

BIDS DESIRED

Mass., Boston—Cranes—Until Mar. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing electric traveling cranes in steel stock storage shed at Navy Yard here; Spec. 3822. About $15,000. Noted Mar. 6.

N. Y., Albany—Post Office and Custom House—Until Mar. 27, by J. A. Wetmore, superv. archt., Wash., D. C., altering post office and custom house.

N. Y., Stapleton—Sewer and Water Supply—Until Apr. 2, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., installing sewer and water supply connections in U. S. Marine Hospital here.

Pa., Phila.—Forced and Induced Draft Fans—Until Mar. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing here; Spec. 3793. About $35,000; $10 deposit required for plans and spec. Noted Feb. 6.

Md., Indianhead—Incinerator—Until Mar. 24, (change of date) by Bureau Yards and Docks, Navy Dept., Wash., D. C., building at Naval Proving Grounds; Spec. 3790. About $7000; $10 deposit required for plans and spec. Noted Mar. 6.

D. C., Wash.—Grading—Until Mar. 26, by Dist. Comrs., Dist. Bldg., Wash., for 30,000 cu.yd. grading in various streets; advertised in this issue.

Va., Norfolk—Forced and Induced Draft Fans—Until Mar. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing here; Spec. 3793. About $35,000; $10 deposit required for plans and spec. Noted Feb. 6.

S. C., Paris Island—Extension to Fresh Water System—Until Mar. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3805. About $12,000; $10 deposit required for plans and spec. Noted Feb. 20.

Fla., Pensacola—Power Plant Improvements—Until Mar. 31, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building at Naval Air Sta.; Spec. 3389. About $85,000; $10 deposit required for plans and spec. Noted Sept. 5.

O., Conneaut Harbor—Cement—Until Apr. 1, by Lighthouse Supt., Buffalo, N. Y., furnishing 500 bbl. Portland cement here; advertised in this issue.

O., Youngstown—Post Office—Until Mar. 28, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building additions and altering post office, etc.

Mich., Mt. Pleasant—Post Office—Until Apr. 18, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C. About $68,600 available. Noted Feb. 20.

Wis., Rhinelander—Post Office—Until Apr. 21, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C. About $85,000 available.

Mont., Great Falls—Roads—Until Mar. 22, by Dist. Engr. U. S. Dept. Agriculture, 413 Montana Bldg., Missoula, building 18.9 mi. Belt Creek Natl. Forest Rd., Cascade Co. Work involves 79,000 cu.yd. earth excav., 10,000 cu.yd. rock excav., clearing and grubbing 30 acres, building ten 8-40 ft. span bridges, etc. Former bid rejected. L. I. Hewes, 202 Bway., Yamhill Bldg., Portland, Ore., dist. engr. Noted Feb. 27.

Tex., Gilmer—Post Office—Until Apr. 23, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C. About $50,000 available. Noted Feb. 20.

Tex., North Ft. Worth—Argon Production Plant—Until Mar. 17, (change of date) by Bureau Yards and Docks, Navy Dept., Wash., D. C.; Spec. 3800. About $607,250; $100 deposit required for plans and spec. Noted Feb. 20.

Cal., Mare Island (Vallejo P. O.)—Fuel Oil Storage Plant—Until Mar. 24, by Bureau Yards and Docks, Navy Dept., Wash., D. C., building storage plant consisting of 2 rein.-con. oil reservoirs and pump pit, brick and steel boiler house, pump-well house, heater house on wharf, pits for expansion bends, sludge pits, mechanical and electrical equipment and piping, etc.; Spec. 3631. About $400,000; $5 deposit required for plans and spec. Former bids rejected. Noted Feb. 27.

PRICES AND CONTRACTS AWARDED
(★Indicates award of contract)

★**N. Y., New York**—Coal and Ash Handling Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in central power plant addition at Navy Yard here, to Guarantee Constr. Co., 140 Cedar St., $9925 (150 days). Noted Feb. 20.

★**N. Y., New York**—Piping and Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in power house here, to Lord Constr. Co., 105 West 40th St., $42,069 (120 days). Noted Feb. 6.

Pa., Ft. Mifflin—Railroad Extension—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building at Naval Ammunition Depot, (1) price and time, work complete, in accordance with drawings and specifications, (2) amount deducted from (1) omitting two drains (tile drains and open ditches), from H. A. McClemmen, 13th and Shunk Sts., Phila., (1) $19,450 (35 days); Central Constr. Corp., 222 Market St., Harrisburgh, (1) $24,000 (50 days), (2) $1150; E. C. Fish Co., 704 Real Estate Trust Bldg., Phila., (1) $25,600 (45 days), (2) $450. Noted Feb. 13.

★**Pa., Phila.**—Additions to Crane Runways—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building for bulkhead handling and storage shipbuilding slips Nos. 2 and 3, at Navy Yard, here, to Amer. Bridge Co., Wilkins Bldg., Wash., D. C., $137,300 (120 days). Noted Feb. 20.

★**Pa., Phila.**—Addition to Shipbuilding Slip—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building shipbuilding slips Nos. 2 and 3, to M. H. McCloskey, Jr., 1620 Thompson St., $295,040 (115 and 45 days respectively). Noted Feb. 27.

★**D. C., Wash.**—Cement Sidewalks—Dist. Comrs., Dist. Bldg., let contract laying 30,000 sq.yd. cement sidewalks, to W. F. Brenizer Co., 1st St. and New York Ave., N. W., (a) $1.99, (b) $2.19.

★**D. C., Wash.**—Office and Loft—International Assn. of Machinists, 9th St. and Massachusetts Ave., let contract building 5 story, 68 x 100 ft., steel and brick, concrete foundation, on 9th St. and Mt. Vernon Pl., to R. P. Whitty & Co., Union Trust Bldg. About $300,000. Noted Jan. 30.

D. C., Wash.—Paving—Dist. Comrs., Dist. Bldg., received only bid Mar. 6, paving various streets, (1) laying standard asphalt pavement, 2½ in. asphalt surface, 2 in. binder (before compression), 6 in. concrete base, (2) vitr. blocks on concrete base, (3) standard asphalt pavement, 2½ in. asphalt surface, 2 in. binder (before compression) on 5 in. concrete base, (4) vitr. blocks on 5 in. concrete base, (a) using natural pitch lake asphalt, (b) using reduced oil asphalt, from Cranford Paving Co., 2620 E St., N. W., (1a) $3.34, (1b) $3.04, (2) $2.95, (3a) $3.19, (3b) $2.89, (4) $2.80. Noted Feb. 27.

★**Va., Hampton Roads**—Coal and Ash Handling Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing at Naval Operating Base here, to R. H. Beaumont Co., 315 Arch St., Phila., (1) and (2) $49,850 (120 days). Noted Feb. 20.

★**Va., Hampton Roads**—Extending Pneumatic Tube System—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract extending at Naval Operating Base, to Standard Carrier Co., 51 East 42nd St., New York City, $27,637 (120 days). Noted Jan. 30.

★**Va., Hampton Roads**—Grandstand and Bleachers—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Naval Operating Base, to Harwood & Moss, Law Bldg., Newport News, $64,430. Noted Feb. 27.

S. D., Rapid City—School and Assembly Hall—C. Sells, comr. Indian affairs, Wash., D. C., received bids Mar. 10, from W. O'Neil & Son Co., Faribault, Minn., $64,208; W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $66,000; W. MacDonald Constr. Co., St. Louis, Mo., $69,978. Noted Feb. 20.

N. D., Wahpeton—School and Assembly Hall—C. Sells, comr. Indian affairs, Wash., D. C., received bids Mar. 7, building at Wahpeton School here, from F. A. Hancock, Morris, Minn., $38,156; W. O'Neil & Son Co., Faribault, Minn., $40,153 (160 days); Lawrence & McCann, Eveleth, Minn., $41,180 (160 days). Noted Feb. 13.

★**Mont., White Sulphur Springs**—Roads—Dist. Eng., U. S. Dept. of Agriculture, 413 Montana Bldg., Missoula, let contract to W. L. Tillman, Roundup, building in Meagher Co., (a) 5 mi. Sect. 1, Sheep Creek Natl. Forest Rd., involving 350,000 cu.yd. earth excav., 1600 cu.yd. excav., clearing and grubbing 18 acres, etc., $27,605; (b) 5.3 mi. Sect. 2, Sheep Creek Natl. Forest Rd., involving 28,000 cu.yd. earth excav., 1000 cu.yd. rock excav., 1 log truss bridge, clearing and grubbing 10 acres, etc., $21,811. Noted Feb. 27.

★**Ark., Russellville**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract, to W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $54,700. Noted Jan. 30.

★**Tex., Ft. Worth**—Elevator, etc.—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract installing electric passenger elevator in post office and court house here, to Kaestner & Hecht Co., 500 South Throop St., Chicago, $5948 (90 days). Noted Jan. 23.

N. M., Shiprock—Lavatory Annexes—C. Sells, comr. Indian affairs, Wash., D. C., received bids Mar. 7, building 2 lavatory annexes at Toadlena School near San Juan, from W. MacDonald Constr. Co., St. Louis, Mo., $15,222 (150 days); and W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $15,458 (180 days). Noted Feb. 13.

Cal., Mare Island (Vallejo P. O.)—Structural Shop—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids.

(1) Structural steel and crane rails, (a) 6120 tons structural steel, (b) 85 tons crane rails.

(2) Steel stairs, steps and landings, (a) 53,300 lb. steel stair framing, (b) 70,000 lb. treads and landings, (c) 450 sq. ft. safety treads.

(3) 1000 lin.ft. pipe railings.

(4) Structural steel and crane rails, (a) 6120 tons structural steel, (b) 85 tons crane rails.

(5) Steel and stairs, steps and landings, (a) 53,300 lb. steel stair framing, (b) 70,000 lb. treads and landings, (c) 450 sq. ft. safety treads.

(6) 1000 lin.ft. pipe railing.

4, 5 and 6 are same as one, two and three, except for method of delivery of materials; from

Amer. Bridge Co., Wilkins Bldg., Wash., D. C., (1a) $130, $95 (2a) $0.85; (2b) $0.11; (2c) $2; (3) $1.90; (4a) $134; (4b) $99; (5a) $0.87, (5b) $0.11, (5c) $2.00; (6) $1.90; (180 days).

McClintic Marshall Co., Munsey Bldg., Wash., D. C., (1a) $130.00; (1b) $130.80; (2a) $0.0893; (2b) $0.0893; (2c) $3.68; (3) $1.50; (4a) $132.80, (4b) $132.80; (5a) $0.0893; (5b) $0.0893; (5c) $3.68; (6) $1.50 (180 days).

Bethlehem Steel Co., Bethlehem, Pa., (4a) $130.20; (4b) $107; (5a) $0.0885; (5b) $0.111; (5c) $2.80; (6) $1.80 (180 days).

Cal., San Diego—Barracks—Local Navy Yard received bids building 7 rein.-con. and hollow-tile barracks, concrete flooring and foundation, including barracks A, 2 story, 42 x 182 ft. with 1 story, 41 x 66 ft. dormitory wings, 1 story, 29 x 43 ft. kitchen wing, barrack C, 154 x 182 ft. ell shaped with 41 x 92 ft. and 41 x 73 ft. dormitory wings, 14 ft. connecting arcade, etc.

(1) net price and time for work complete in accordance with drawings and specifications.

(2) amount to be deducted from net price under (1) if toilet and wash rooms are finished as specified under alternative No. 1, paragraph No. 286, of specifications.

(3) net price and time for buildings A-2 to A-6 inclusive, and C-1 in accordance with drawings and specifications.

(4) amount deducted from net price under (2) if toilet and wash rooms are

Federal Government Work (Continued)

finished as specified under alternative No. 1, paragraph No. 286, of specifications.

(5) net price and time for buildings A-3 to A-6 inclusive and C-1 in accordance with drawings and specifications.

(6) amount deducted from net price under (5) if toilet and wash rooms are finished as specified under alternative 1, paragraph No. 286, of the specifications.

(7) price per lin.ft. for concrete piles in place to be used as specified in paragraph No. 36.

(8) price per cubic yard for preliminary excav. and disposal of excavated material in accordance with provisions of paragraph No. 28.

(9) amounts, (a) (b) and (c) to be deducted from or added to prices stated under (1), (3) and (5) respectively, for arranging and equipping all casement windows to swing inward in accordance with requirements of "Alternative Construction No. 2" as specified in Addendum No. 1, including all costs in connection with use of outside fixed screens instead of inside swinging screens and any other costs incident to such alternative construction, from

Dawson Constr. Co., 810 Union Trust Bldg., Wash., D. C., (1) $1,096,156; (2) $15,000; (3) $950,000; (4) $12,500; (5) $800,000; (6) $11,000; (7) deduct $0.60, add $2; (8) $1; (9) "A" $600, "B" $509, "C" $400 (time as specified).

Clinton Constr. Co., 140 Townsend St., San Francisco, (1) $1,125,418; (2) $2500; (3) $964,417 (405 days); (4) $27,-900; (5) $803,291; (6) $23,300; (7) $1; (8) $0.50; (9) "A" add $1544, "B" add $1522, "C" add $1286, time (3) 405 days; (5) 370 days.

Lange & Bergston, 819 Timkin St., (1) $1,167,960; (2) $32,433; (3) $999,961—320 days to 330 days; (4) $27,867; (5) $843,069; (6) $23,317; (7) deduct $0.50, and $1.50; (8) $0.75; (9) "A" add $6248, "B" add $5439, "C" add $4625. Time 320 to 330 days. Noted Mar. 6.

★**H. T., Pearl Harbor**—Boiler Setting—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, to A. Ewery, Hilo, $1609 (80 days). Noted Oct. 24.

Miscellaneous

PROPOSED WORK

Capstans, Hoists, etc.—Albany, N. Y.—L. Nixon, supt. pub. wks., Capitol, Albany, soon receives bids installing electric capstans and trolley hoists at various points along canal, $15,000.

Canal—Lake Placid, N. Y.—Town plans to build canal 12 ft. wide between Lake Placid and Mirror Lake; also boardwalk along Mirror Lake frontage. About $200,-000. Address town clk.

Cranes—New York, N. Y.—L. Nixon, supt. pub. wks., Capitol, Albany, soon receives bids installing two 1½ ton electric overhead wharf cranes at Pier 6, East River, $28,000; four 3 ton semi-portable revolving jib cranes, 2 each at Greenpoint and West 53rd St., $93,598.

Freight Shed—New York, N. Y.—L. Nixon, supt. pub. wks., Capitol, Albany, soon receives bids building barge canal terminal freight shed at pier 93, West 53rd St., North River, here, $53,969.

Truck, Tractor, etc.—New York, N. Y.—C. D. Van Name, pres. Richmond Boro., rejected all bids received Feb. 18, furnishing and delivering 2½ tons automobile truck and 3 ton automobile tractor and semi trailer. Work will be readvertised. Noted Feb. 27.

Amusement Pier—Asbury, N. J.—City plans to build on site of present fishing pier. About $200,000.

Cofferdam and Memorial Fountain—Detroit, Mich.—Park Dept., Farwell Bldg., plans to build cofferdam and fill in acreage at west end Belle Isle to provide for foundation for Scott Memorial Fountain, $75,000. Fountain will probably be built by day labor, cost $400,000. C. Gilbert, 244 Madison Ave., New York City, archt.

Floating Dry Dock—Green Bay, Wis.—Morrison & Beck, engrs., 140 South Dearborn St., Chicago, receives bids about Mar. 15 building 80 x 600 ft. rein.-con. floating dry dock; to include two 15 ft. working platforms made in twelve 50 ft. sections for C. Hartmann Co., Green Bay. About $500,000. Work involves 5400 cu.yd. rein. con; 100 tons twisted square bar reinforcing steel; 3 in. walls, bottom and partitions, total weight over 500 tons; 12 direct-connected centrifugal pumps, 1200 gal. capacity with alternating current motors, 16 direct-connected capstans with a.c. motors. Noted Feb. 6.

Parks—Dallas, Tex.—City election Apr. 1 to vote on $750,000 bonds to build parks. G. D. Fairtrace, city engr.

Pier—Portland, Ore.—City having plans prepared building Pier No. 2 at St. Johns terminal; $1,250,000 bonds will be sold in April to provide funds. G. B. Hegardt, ch. engr. Noted Jan. 9.

Playground—Portland, Ore.—City plans to convert Marquam Gulch into playground. O. Laurgaard, city engr.

Grandstands — Los Angeles, Cal. — See "Buildings."

Dam—Oakdale, Cal.—F. B. Pattee urged Oakdale Irrigation Dist. to coöperate with him in building dam 200 ft. high, 1000 ft. long at top, to impound 15,000 acre feet of water and develop 15,000 hp. by hydro-electrical energy. B. Smith, Oakdale, engr.

Asphalt—St. John, N. B.—City soon lets contract for 400 tons of asphalt, to be delivered in spring. G. F. Fisher, comr.

Sewer Pipe—Guelph, Ont.—City soon lets contract furnishing 7110 ft. 18-48 in. rein.-con. pipe. F. W. McArthur, Guelph, engr.

Stone Crusher, etc.—Lindsay, Ont.—City plans to purchase 1 stone crusher, 1 steam roller, 6 drags and road scraper. J. R. McNeille, city clk.

Dam, Intake, etc.—Squamish, B. C.—Dept. Railways, Victoria, soon lets contract for dam, intake water supply system, hydro-electric power plants and transmission system here. About $50,000. A. E. Proctor, Victoria, engr.

BIDS DESIRED

Plant Operation—Springfield, Mass.—Until Mar. 20, by Bd. Supervs. Dept. Streets & Eng., Administration Bldg., for operation of Logan St. plant for salvage of waste materials. R. P. Marsh, supt.; advertised in this issue.

Miscellaneous Supplies—New Haven, Conn.—Until Mar. 18, by F. L. Ford, city engr., furnishing blue stone, long leaf yellow pine, vitr. pipe, cement and granite catch basin stone required by Dept. Pub. Wks. from Apr. 1 to July 1. J. J. Lane, dir. pub. wks. Noted Feb. 20.

Miscellaneous Supplies—New York, N. Y.—Until Mar. 19, by F. L. Dowling, pres. Manhattan Boro., furnishing and delivering. Contr. 1, 600 tons asphaltic paving cement, Contr. 2, 70,000 gal. fuel oil, Contr. 3. 6000 cu.yd. paving sand, Contr. 4, 40,000 new granite paving blocks, Contr. 5, 200,-000 sewer brick, Contr. 6, 3000 cu.yd. paving grit.

Paving Blocks—New York, N. Y.—Until Mar. 19, by F. L. Dowling, pres. Manhattan Boro., furnishing and delivering $630,-000 granite paving blocks.

Trailers, etc.—New York, N. Y.—Until Mar. 19, by F. L. Dowling, pres. Manhattan Boro., furnishing and delivering 5 trailers and 2 express bodies.

Boardwalk—Seaside Heights, N. J.—Until Mar. 31, by Boro., building wooden and iron board walk, 1 mi. long, 20 ft. wide, along ocean front. M. H. Esher, boro. clk.

Column Foundations—Phila., Pa.—Until Mar. 25, by W. S. Twining, dir., dept. city transit, 1211 Chestnut St., building 68 concrete column foundations in Front St., from above Arch St. to Callowhill St., Frankford Elevated Ry., contr. No. 500.

Pier—Phila., Pa.—Until Mar. 27, by Dept. Wharves, Docks and Ferries, 559 Bourse Bldg., building with appurtenant work, Wolf St. Pier No. 82 South, and Otter St. Pier No. 84 South. G. S. Webster, dir.; advertised in this issue.

Island, Seawall, etc.—Miami, Fla.—L. T. Highleyman, Point View, is receiving bids for island in Biscayne Bay, 4800 ft. long, 700 ft. wide, also seawall across island and building various streets and pavements. About $300,000.

Air Compressor — Marion, Ind. — Until Mar. 25, by Bd. Pub. Wks. furnishing air compressor. T. E. Petrie, pres.; advertised in this issue.

Levee—Newport, Ark.—Until Apr. 10, by C. R. Hite, secy. Newport Levee Dist., Jackson Co., building new earth levee and enlarging old levees, etc., involving 279,500 cu.yd. earth embankment, 2150 cu.yd. concrete, 65 ton reinforcing steel, 5 ton miscellaneous c. i. and steel, 116,000 ft. B.M. wood sheet piling, 8270 lin.ft., 4 and 10 in. tile, 550 lin.ft., 18 and 24 in. corrugated iron pipe, 290 lin.ft., 24 and 36 in. c. i. or concrete pipe, four 24 in., four 36 in. and two 48 in. sluice gates, and 162,000 sq.yd. sodding embankment. About $200,000. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs. Noted Nov. 28.

Pipe—Ottawa, Ont.—Until Mar. 19, by Dept. Pub. Highway, Toronto, furnishing 7000 lin. ft. 18 in. inside diam. culvert pipe for farm and house entrances and side road intersections of Ottawa-Prescott Highway. About $12,000. G. Hogarth, Toronto, ch. engr. dept. pub. highways.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Conduits, Cables, Etc.—New York, N. Y.—Fire Dept. received bids Mar. 10, furnishing, delivering and installing conduits, cables, wiring, protecting frame, etc., in Manhattan Central office on Transverse Rd. No. 2, Central Park, from Croker Natl. Fire Eng. Co., 1270 Bway., $45,195; Bates Co., 2 Rector St., $47,325; G. E. Eng. Co., 417 Canal St., $59,527.

Miscellaneous Supplies—New York, N. Y.—C. D. Van Name, pres. Richmond Boro., received bids Mar. 11, (1) furnishing and delivering 65,000 gal. bituminous material for road surfacing, (2) 800 cu.yd. 1½ in. broken stone, 300 cu.yd. screenings and 100 cu.yd. ¾ in. broken stone of trap rock in Dist. 1, (3) 1900 cu.yd. 1½ in. broken stone, 750 cu.yd. screenings and 100 cu.yd. ¾ in. broken stone of trap rock in Dist. 2, (4) 1250 cu.yd. 1½ in. broken stone, 550 cu.yd. screenings and 60 cu.yd. ¾ in. broken stone of trap rock in Dist. 3, (5) 300 cu.yd. grits in Dist. 1, (6) 300 cu.yd. grits in Dist. 3, (7) 475 cu.yd. grits in Dist. 3, from Barrett Co., 17 Battery Pl., (1) $7150; New York Trap Rock Corp., 17 Battery Pl., (2) $4020, (3) $9488, (4) $6882; J. E. Donovan, Port Richmond, (5) $550, (6) $855, (7) $1401.

★**Boilers, Piping, etc.—Thiells, N. Y.**—F. A. Vanderlip, pres. bd. mgrs. Letchworth Village, 7 Wall St., New York City, let contract building chimney, to P. Keeler Bldg. Co., 425 Orange St., Albany, $18,750; furnishing boilers and stoker equipment, to Heine Safety Boiler Co., 11 Bway., New York City, $67,600. Noted Jan. 16.

★**Redecking Boardwalk—Atlantic City, N. J.**—City will redeck boardwalk from Illinois to Texas Ave. Cost between $110,000 and $115,000. City will purchase lumber in open market and work will be done by day labor.

★**Pier and Bulkhead—Baltimore, Md.**—Bd. Awards let contract building creosote treated wood pier on creosoted wood piles, and creosote treated timber bulkhead, both 300 ft. long, pier 37 ft. wide, at Bodkin Creek, opposite Ft. Howard, to Dorsey & Miller Co., 420 Equitable Bldg., $18,591. Noted Mar. 6.

★**Swimming Pool—La Grange, Ga.**—See "Buildings."

★**Cement—Rockford, Ill.**—Winnebago Co. let contract furnishing cement for 1919 road work on Grant Highway east of here, to Skandia Coal & Lumber Co., 708 7th St., $3.05 per bbl. in cloth sacks, $2.00 per bbl. in bulk.

Road Oil and Tar—Clayton, Mo. (St. Louis P. O.)—St. Louis Co. received bids Mar. 5th furnishing and delivering 100,000 gal. No. 1 road oil, from Sinclair Refining Co., 5.27c. per gal.; 100,000 gal. No. 2 and 100,000 gal. No. 2 road oil, from Amer. Oil & Tank Line Co., 3rd Natl. Bank Bldg., St. Louis, 5.7c. per gal.; 100,000 gal. refined tar from Trinidad Asphalt Co., Title Guarantee Bldg., St. Louis, 9.9c. per gal. Noted Feb. 20.

★**Levee—Menfro, Mo.**—Levee Dist. No. 3 let contract for improving levee, to Bartson & Millard, 8-9 Mayer Bldg., Peoria, Ill. About $50,000.

★**Culvert—Dallas, Tex.**—City let contract building concrete box culvert in Mill Creek from City Park across Ervay St., to Klein Bros., Junius and Walton Sts. About $37,000.

★**Grand Stand—Oklahoma, Okla.**—Western Baseball League let contract building frame and concrete grand stand, to Campbell & Price, 611 Southwest Reserve Bank Bldg., $25,000. Noted Feb. 13.

★**Piers—Fernie, B. C.**—See "Bridges."

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: March 18.

Bituminous Materials

State of New York.

State of New York, Office of the State Commission of Highways, Albany, N. Y.—Pursuant to the provisions of Chapter 30, Laws of 1909, as amended by Chapter 646, Laws of 1911, and Chapter 80, Laws of 1913, sealed proposals will be received by the undersigned for furnishing and delivering bituminous materials f.o.b. cars at destination, for use by the State Highway Department in the maintenance and repair of improved State and County Highways in all of the counties of the State unless otherwise specified, at the office of the State Commission of Highways, 55 Lancaster Street, Albany, N. Y., at one o'clock p.m. on Tuesday, the 18th day of March, 1919, for the following contracts:

B. M. Contract No. 1—Bituminous Material Cold Patch Asphaltic Emulsion in Divisions Nos. 1, 2, 3, 4 and 5.

B. M. Contract No. 2—Bituminous Material Cold Patch Asphaltic Emulsion in Divisions Nos. 6, 7, 8 and 9.

B. M. Contract No. 3—Bituminous Material Asphaltic Cut-Back.

B. M. Contract No. 4—Bituminous Material A. Binder.

B. M. Contract No. 5—Bituminous Material A. Light Cold Oil and Light Hot Oil.

B. M. Contract No. 6—Bituminous Material T. Cold Patch.

B. M. Contract No. 7—Bituminous Material T. Binder and Cold Application.

All proposals except Contracts Nos. 1 and 2 will be for furnishing the specified material at any railroad delivery point within this state. Proposals for Contracts 1 and 2 will be for furnishing that specified material at any railroad point within the counties comprising the divisions named in the proposal.

Tables showing approximate quantities and railroad delivery point specifications and proposals may be obtained at the office of the State Commission of Highways at Albany, N. Y.

Each proposal must be accompanied by cash or certified check payable to the order of the State Commission of Highways for an amount equal to at least five per centum of the amount of the proposal which such cash or check accompanies. This cash or check will be held by the Commission until the contract is executed and the bond is filed. The successful bidder on each proposal will be required to give a bond for fifty per centum of the amount of the contract, such bond to be executed by a surety company to be approved by the Commission. The bond is for the purpose of insuring the delivery of the bituminous material as called for by the Commission. The right is reserved to reject any or all bids.

EDWIN DUFFEY,
Commissioner.

I. J. MORRIS,
Secretary.

U. S. ENGINEER OFFICE, 1st District, Cincinnati, O. Sealed proposals for furnishing, delivering and erecting Bear-Trap Leaves for Dam No. 39, Ohio River, will be received here until 2 p.m., April 4, 1919, and then opened. Information on application.

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a.m., for issue out the next morning.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

OFFICIAL PROPOSALS

Bids: March 21.

Water Main Extension

Spencer, Iowa.

Sealed bids will be received until eight o'clock P.M., March 21, 1919, at the office of R. M. Cornwall, city clerk of Spencer, Iowa, for furnishing and laying about six thousand four hundred (6400) feet of four (4) inch Class "D" cast iron water pipe together with the necessary valves, hydrants, and other specials. Bids will be received for

1. Furnishing materials.
2. Furnishing tools and labor for laying.
3. Furnishing materials and laying.

All bids received by the city clerk will be publicly opened and read at eight o'clock P.M. All bids must be on regular forms furnished by the city and plainly marked 'Bids for Water Mains." Any changes made in this form or additions thereto may cause the rejection of the bid. No bid will be considered which contains a clause in which the contractor reserves the right to accept or reject a contract awarded by the city council. The council reserves the right to reject any or all bids or to award separate contracts on material and labor.

A certified check for five per cent. of bid, on a local bank of Spencer, Iowa, made payable to the city treasurer of Spencer, Iowa, shall be filed with each bid. In case the successful bidder should fail to execute a contract and file a bond within ten days after the acceptance of his bid, his certified check shall be forfeited to the City of Spencer, Iowa, as liquidated damages.

The successful contractor will be required to furnish a bond equal to fifty (50) per cent. of his contract, issued by responsible security, approved by the council, and drawn to protect them and any subcontractor and shall be conditioned upon the faithful performance of the work named in the contract in strict conformance with the plans and specifications.

Plans and specifications may be secured at the office of the city engineer.

R. M. CORNWELL,
City Clerk.

W. L. FAHEY,
City Engineer.

OFFICIAL PROPOSALS

Bids: March 25.

Steel Pipe and Appurtenances

Jersey City, N. J.

Sealed proposals for furnishing and laying, complete, 34,590 ft. of 72-in. riveted steel pipe and appurtenances, will be received by the Board of Commissioners of Jersey City, N. J., in the Assembly Chamber of the City Hall, Jersey City, N. J., Tuesday, March 25, 1919, at 2 P.M., at which place and time they will be publicly opened.

Proposals must be accompanied by the consent in writing of a surety company authorized to do business according to the laws of the State of New Jersey, that, should the proposal be accepted it will become surety in the full amount of the contract, as provided in specifications and in Chapter 75, P. L. 1918, of the State of New Jersey.

Copies of the plans, proposal forms, specifications and forms of bond and contracts, can be seen at the office of Frank A. Dolan, City Clerk, City Hall, Jersey City, N. J., or at the office of Michael I. Fagen, Director, Department of Streets and Public Improvements, City Hall, Jersey City, N. J., or at the office of Mr. Clyde Potts, Consulting Engineer, 30 Church Street, New York City, or may be obtained at the office of Michael I. Fagen, Director, Department of Streets and Public Improvements, City Hall, Jersey City, N. J., or at the office of Mr. Clyde Potts, Consulting Engineer, 30 Church Street, New York City, by prospective bidders, upon depositing twenty-five ($25) dollars, which sum will be refunded on return of the plans and specifications within ten days after the contract has been awarded, if same are in good condition when returned.

The Board of Commissioners of Jersey City reserves the right to reject any and all proposals.

By order of the Board of Commissioners of Jersey City.

FRANK A. DOLAN,
City Clerk.

Dated: Feb. 18, 1919.

Bids: March 27.

Concrete Bridge

OFFICE OF BOARD OF PUBLIC WORKS
City of Janesville, Wis.

Sealed proposals will be received at this office until March 27th, 1919, for the construction of a reinforced Concrete Bridge over Rock River on Jackson Street consisting of six 54 foot spans 55 feet wide in accordance with plans and specifications, plans and details on file in this office. A certified check for 5% of bid required. Copies of official notice, specifications and form of contract and bond furnished on application.

C. L. VALENTINE, Chairman.
C. V. KERCH, City Engr.
Feb. 24, 1919.

PROPOSALS FOR SOUTH WING SOUTH CADET Barracks and Guard House. Office Qaurtermaster, West Point, N. Y. Sealed proposals will be received here until 12 M., March 27, 1919, and then opened, for construction of South Wing South Cadet Barracks and Guard House. Information on application.